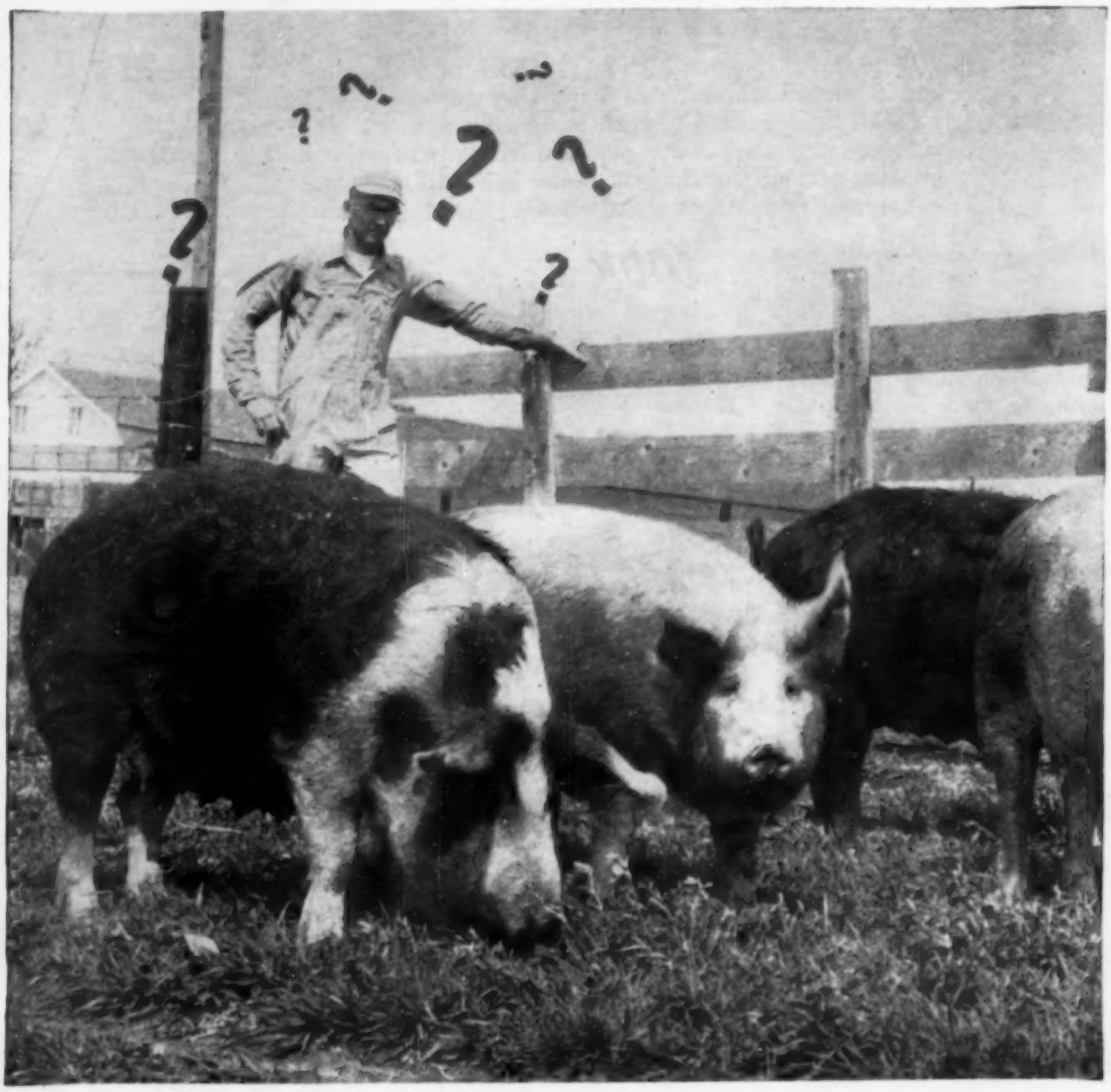
WALLACES' FARMER and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

MAY 21, 1955



Which way with sows?

Do we work soil too much? . 12

Spending money for kids . . 56

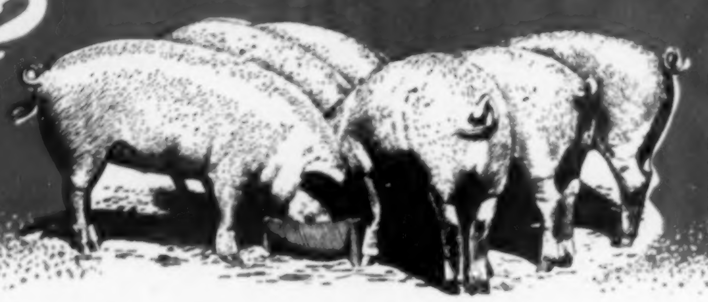
Heading for college? 64

Ways to water hogs 70

KEEP 'em for fall pigs? Or send 'em to market? Decision would be easier if you could be sure of next spring's hog prices. The June pig crop report may be helpful. It'll show fall farrowing intentions —give some idea as to how many hogs will be on the market next spring.

Meanwhile, maybe you can do some "hedging"— like Master Swine Producer Raymond Laabs (above) of Kossuth county, Iowa. He's rebreeding his 30 sows. But he still might sell 'em. Decision is postponed for a few weeks.

CAN YOU MAKE MONEY.. *Feeding Hogs?*



"We have fed Sargent MINRAL MEAL regularly since 1938 with excellent results. Last year, we found that we could raise pigs to 200 pounds with 10 to 11 bushels of corn by feeding Sargent MINRAL MEAL as our only supplement. Our pigs are fed some oats all along during their growing period. Our Sargent dealer is Nord Flour and Feed at Creston."
—Wayne Kerns, Adair County, Iowa.

Smart hog raisers like Wayne Kerns (above) are proving every day that there's money to be made feeding hogs . . . with Sargent MINRAL MEAL. It can be self-fed at any time without danger of over-consumption. Hogs eat what they *need*, not necessarily what they *want*. Sargent MINRAL MEAL is a protein and mineral balancer, fortified with antibiotics, trace minerals and important vitamins, including B-12. Try Sargent MINRAL MEAL on your Sargent dealer's money-back guarantee!

TRY *Sargent* MINRAL MEAL

LOOK at these three hog feeding plans. They are based on a market price of hogs at $18.75 per 100 pounds:

CORN ALONE: 12 bu. corn @ $1.40 — $16.80 per 100 pounds of gain.

$18.75
16.80
$ 1.95 profit per 100 pounds of gain.

CORN AND TANKAGE:
7 bu. corn @ $1.40 .... $ 9.80
50 lb. tankage 3.00
$12.80

$18.75
12.80
$ 5.95 profit per 100 pounds of gain.

THE SARGENT PROGRAM:
5½ bu. corn @ $1.40 .... $ 7.70
25 lb. Sargent MINRAL MEAL 1.75
$ 9.45

$18.75
9.45
$ 9.30 profit per 100 pounds of gain.

FEED SARGENT FEED

SARGENT PLANTS
DES MOINES, IOWA
Monmouth, Ill. Fremont, Nebr. Waverly, Mo. Algona, Iowa

SARGENT MINRAL MEAL DEALERS IN IOWA

ACKLEY .... Dick's Feed Store
ACKWORTH .... Ackworth Food & Grocery
ADEL .... Vern Banilson
AFTON .... Farmers Coop.
ALBIA .... Steel & Son
ALDEN .... Alden Farmers Coop. Elev.
ALGONA .... Algona Flour & Feed
ALLERTON .... Bay Grocery & Produce
ANAMOSA .... Anamosa Feed Mill
ANITA .... Burke Bros.
ARBOR HILL .... H. P. Bunns
ARCADIA .... Walter Bruggeman Feed
ASPINWALL .... Aspinwall Coop.
ATLANTIC .... Woodring Feed
AUDUBON .... Mork Grain Co.
AURELIA .... Farmers Coop. Elev.

BANCROFT .... W. A. Murray Elevator
BARNES CITY .... Lester Produce
BEDFORD .... Floyd VanRennan
BELLE PLAINE .... Floyd Villers
BELLEVUE .... Bob Dyas Feed
BELMOND .... Meints Produce
BLAIRSBURG .... Farmers Coop. Elev. Co.
BLAKESBURG .... Bemmerman Feed & Imp.
BLANCHARD .... Farmers Coop.
BLOOMFIELD .... Floyd Brown Co.
BONDURANT .... Farmers Elevator
BOONE .... Farmers Coop. Elevator
BOYD .... Boyd Nursery & Grocery
BOXHOLM .... Jacobson Hatchery
BRIDGEWATER .... Bridgewater Oil Co.
BRITT .... Schaper Hatchery
BROOKLYN .... Johnson Feed & Grain
BURLINGTON .... Kuhn Farm Store
BURT .... Burt Hardware

CAMBRIA .... Cambria Trading Post
CAMBRIDGE .... Alleman Co-op Co.
CARLISLE .... Michaelson Feed Store
CARROLL .... Farmers Grain Co.
CEDAR FALLS .... Jake Reiterath
CEDAR RAPIDS .... Cedar Rapids Feed & Supply
CENTERVILLE .... Guy Harris Feed & Seed
CENTERVILLE .... Centerville Produce
CHARITON .... Odem Hatchery
CHARLES CITY .... Sar Seed Farms Store
CHARLOTTE .... Heil Produce
CHELSEA .... Chelsea Feed Mill
CHEROKEE .... Farmers Coop. Elev.
CLARINDA .... Farmers Union Shipping Assn.
CLARION .... Isenberger Produce & Feed
CLEARFIELD .... Farmers Produce
CLEAR LAKE .... Eastman's Clear Lake Grain Co.
CLEGHORN .... Farmers Coop.
CLINTON .... Voss Feed Store
CLIO .... Ray Cowthorn Produce
COLO .... Ferrin Implement Co.
COON RAPIDS .... Coon Rapids Hyline Hatchery
CORNING .... Paul's Feed & Supply
CORWITH .... Corwith Produce
COUNCIL BLUFFS .... Boyer Feed & Hdwe.
CORYDON .... Corydon Produce
CRESTON .... Nord Flour & Feed
CUMBERLAND .... Farmers Coop. Co.

DAKOTA CITY .... J. F. Miller & Son
DANBURY .... Danbury Elevator
DAYTON .... Farmers Elevator Co.
DECATUR .... Jensen's Store
DECORAH .... E. E. Readon Produce
DELMAR .... Dolmar Feed & Grain
DELTA .... Doman's Grocery
DENISON .... Lusch Feed Co.
DENMARK .... Snider Hardware
DENVER .... Protein Hatchery
DERBY .... Derby Produce & Feed
DES MOINES .... A. W. Browbaker
DES MOINES .... Case Feed Mill
DES MOINES .... Dahl's Feed Store
DES MOINES .... Fischer Feed Mill
DES MOINES .... Redbird Hatchery
DEWITT .... McManus Produce
DIAGONAL .... Diagonal Hatchery
DIKE .... B & F Produce
DOLLIVER .... Al's Feed Store
DOW CITY .... Leinen Produce
DUMONT .... Farmers Coop. Grain Co.
DUNCOMBE .... Farmers Coop. Elevator Co.
DYERSVILLE .... Farmers Shipping Assn.

EARLHAM .... Farmers Coop.
EARLY .... Early Coop. Grain Co.
ELKADER .... Fassbinder Feed & Seed
ELMA .... Howard County Equity Coop.
EMERSON .... Langs Produce
EMMETSBURG .... Hubbard Feed Co.
ENTERPRISE .... Enterprise Farmers Elevator
EWART .... Johnson Elevator
EXIRA .... Leon Milliman

FAIRFIELD .... Fairfield Feed Co.
FENTON .... Fritz Freyholtz
FERGUSON .... Ferguson Grain & Lumber
FISCUS .... Jorgensen & Brue
FOREST CITY .... Forest City Hatchery
FORT DES MOINES .... Goil Coal & Feed
FORT DODGE .... Lawrence Messerly
FORT MADISON .... Fort Madison Feed & Seed

GALVA .... Valley Feed Co.
GARDEN GROVE .... Garden Grove Produce
GERMANVILLE .... Wittmer Store
GILBERT .... Gilbert Coop.
GOODELL .... Green Elevator
GOWRIE .... Bruntlett Elevator
GRAND JUNCTION .... Hoover Produce
GRANT .... N. H. Jones Produce
GRAVITY .... Hunter Locker & Produce
GREENE .... Albrecht Feed Mill
GRINNELL .... Howard Sage Produce
GRINNELL .... Smiley Hatchery
GRISWOLD .... Farmers Produce
GRUNDY CENTER .... Grundy Center Produce
GUTHRIE CENTER .... Farmers Elevator

HALBUR .... Farmers Elevator
HAMBURG .... Klein Produce
HARDY .... Mack's Produce
HARLAN .... Carpenter Hatchery
HARVARD .... Nickerson Store
HAWKEYE .... Hawkeye Coop.
HEBRON .... Hebron Store
HEDRICK .... J. H. Wake Feed
HIGHLAND CENTER .... Highland Elev. Co.
HIGH POINT .... Mendenhall Store
HOLSTEIN .... Sorenson Produce
HOSPERS .... Midwest Feed Co.
HUBBARD .... F. F. Koeppen
HUMESTON .... Howard Gibbs Produce Co.
HUXLEY .... Dobbs Feeds

INDEPENDENCE .... Sloan Feed & Seed
IONIA .... R. E. Bonhe Elevator
IOWA CITY .... Katzenmeyer Feed Store
IOWA FALLS .... Macy Hatchery
IRETON .... Ireton Produce
IVY .... Glen Blood Store

JEFFERSON .... Cutler Implement
JEFFERSON .... Jefferson Chick Hatchery
JEWELL .... Jewell Coop. Elevator
JOHNSTON .... Harvey Hatchery
JOLLEY .... Jolley Coop. Elevator

KALONA .... Strickler Bros.
KANAWHA .... Wright's Hatchery
KELLERTON .... Jensen's Feed Mill
KESLEY .... Kesley Elevator
KIRON .... Farmers Lumber & Grain
KNOKE .... Langenwalter Feed Store
KNOXVILLE .... Hawkeye Mills

LACONA .... Dittmer Elevator
LAKE CITY .... Farmers Supply Store
LAKE MILLS .... Farmers Coop. Elevator
LANSING .... Kerndt Bros.
LANYON .... Farmers Coop. Elevator
LAPORTE CITY .... Farmers Supply Co.
LEHIGH .... Lehigh Grain Co.
LEMARS .... Meis Feed & Seed
LENOX .... Joe Mayne's
LOCKRIDGE .... Burnham's
LOHRVILLE .... Lohrville Hatchery
LONE TREE .... Bert P. Boerres Feed
LOVILIA .... Newton Feed & Supply
LOWDEN .... Box Feed & Elevator
LUCAS .... Robinson Store
LUNDGREN .... Lundgren Grain Co.

MADRID .... Polk City Grain Co.
MALVERN .... Good Grain Co.
MANILLA .... Floyd Grain Feed
MANSON .... Manson Feed Mill
MAPLE RIVER .... R. A. Pille
MAPLETON .... Bud's Produce
MAQUOKETA .... Mitchell Maskery
MARATHON .... Farmers Co-op. Company
MARBLE ROCK .... Staudt Hatchery
MARENGO .... Marengo Hatchery
MARSHALLTOWN .... Ajay Feed Mill
MASSENA .... Massena Coop.

McCAUSLAND .... McCausland Elevator
McGREGOR .... W. A. Myers Feed
McINTIRE .... H. E. Sloan Elevator
MECHANICSVILLE .... Nichol Hatchery
MELCHER .... Massarini Feed
MENLO .... Platt Elevator
MILFORD .... Baschke Produce
MILO .... Shoemaker Hardware
MINBURN .... Minburn Coop. Elevator
MISSOURI VALLEY .... Sass Produce
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MONTEZUMA .... Winborn Hatchery
MOORHEAD .... L. L. Deupree
MORAVIA .... Forrest Main Feed
MORNING SUN .... Shaffer Feed & Supply
MOULTON .... Bradley Produce
MOUNT AYR .... Farmers Supply Co.
MOUNT PLEASANT .... James Folger
MUSCATINE .... Frank A. Te Strake
MYSTIC .... Max & Marge's Market

NASHUA .... J. W. Pierce & Son
NEVADA .... Doolittle Mill & Feed
NEVINVILLE .... Lyle Hartsook
NEWELL .... W. A. Galbraith & Son
NEW HAMPTON .... Farmers Produce
NEW LONDON .... New London Coop.
NORTHWOOD .... Grundmeiers Hatchery
NORWALK .... John Pray Service
NORWAY .... C. J. Pickart Produce

ODEBOLT .... Leonard Hatchery
OELWEIN .... Oelwein Coop. Creamery
OGDEN .... Danilson Grain Co.
OLLIE .... Ollie Produce
ORIENT .... Fred Hannenberger Feed
OSCEOLA .... B. F. Goodrich Feed & Supply
OSKALOOSA .... Davis Produce
OTTUMWA .... J. H. Wake

PACKWOOD .... J. H. Wake
PALMER .... Swartzendruber Produce
PANORA .... Robinson Produce
PAULLINA .... Galles Produce
PEORIA .... Peoria Stock Yards
PERCY .... W. M. Findlow
PERRY .... McGarvey Feed Store
PERRY .... Randolph Produce
PETERSON .... Sioux Feed & Supply
PLANO .... Farmers Store
PLEASANTVILLE .... Richard Olivier
POLK CITY .... Polk City Grain Co.
POMEROY .... Johnson Produce & Hatchery
PRAIRIE CITY .... Farmers Exchange
PRESCOTT .... Anderson & Green
PRESTON .... Kling & Son
PRINCETON .... Wallace Lum
PROTIVIN .... Ed Svoboda Produce
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READLYN .... Readlyn Hatchery
REDDING .... H. L. Combs Feed
RICEVILLE .... Lenth Feed Store
RIPPEY .... Loftstedt Bros.
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RODMAN .... Perkins Feed Co.
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RUTLAND .... Rutland Elevator Co.

SAC CITY .... Farmers Grain Co.
SERGEANT BLUFF .... Farmers Elevator Co.
SCRANTON .... H. & F. Produce
SHELL ROCK .... Farmers Supply Co.
SIGOURNEY .... Sigourney Elevator
SIOUX CITY .... McGuirk & Taylor
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SOMERS .... Somers Coop. Elevator
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VAN WERT .... Van Wert Produce
VENTURA .... Woodford Wheeler Lumber
VILLISCA .... Marvick Feed Mill
VINCENT .... Edward M. Tokheim
VINING .... E. A. Vesely
VINTON .... Verle Sanders

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WAUKON .... Waukon Equity Coop.
WAVERLY .... Wolf's Feed Store
WELLMAN .... Cash Feed Store
WELLSBURG .... Geo. Potgeter Elevator
WEST BEND .... Ernest Kellenberger
WEST DES MOINES .... West Des Moines Feed & Supply
WESTGATE .... Martin Schwarz
WEST POINT .... Dyer Bros.
WESTSIDE .... Westside Milling Co.
WEVER .... Geo. Cook, Jr.
WHAT CHEER .... J. H. Wake
WHEATLAND .... Wheatland Elevator
WHITING .... Farmers Elevator
WHITTEN .... Whitten Produce
WILLIAMS .... E. A. Milligan & Son
WILLIAMSON .... Pierschbacher Feed Mill
WILTON JUNCTION .... Fred Mann
WINTERSET .... M. Young & Co.
WODEN .... Woden Produce
WOODBINE .... Farmers Produce
WOODBURN .... Woodburn Grocery

ZION .... C. M. Black

Get Goodyear O-P-E-N C-E-N-T-E-R for better pull on any job any time— *and a value you can't beat ANYWHERE—*

NEW, IMPROVED
SURE-GRIP D-15
only **$46.80*** (9-24—4-ply rating)
*plus tax
Other sizes low-priced in proportion at most Goodyear dealers'

GOODYEAR is the farmers' favorite tractor tire brand *regardless of price!* Yes, continuing surveys indicate that more farmers prefer Goodyear tractor tires than all other makes PUT TOGETHER!

If that's not reason enough for you, too, to insist on Goodyear, ask yourself if any other offers so much for so little:

O-P-E-N C-E-N-T-E-R, made famous by Goodyear, gives cleaner, firmer bite to *straight* lugs—helps prevent tread-clogging.

DEEPER, FLATTER TREAD WITH STRAIGHT LUGS for greater lug-to-soil contact, tremendously powerful traction, smoother roll in field or on road—and longer, more even wear.

TOUGHER RUBBER for longer wear—helps lugs retain sharp *bite-in* edges.

STRONGER BODY means longer tire life—helps keep tires fit for more re-lugs!

FLATTER TREAD of SURE-GRIP D-15 grips more soil—means still more powerful traction, more even wear in field or on road!

Don't delay! See the moneysaving, timesaving, fuelsaving SURE-GRIP D-15 at your helpful Goodyear dealer's. Your visit will pay off every time you mount your tractor! Goodyear, Farm Tire Dept., Akron 16, Ohio.

Sure-Grip—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

Look for this sign, there's a Goodyear dealer near you

GOODYEAR TIRES

Why not save on *front* tractor tires, too?

ONLY **$13.35*** (4.00-15—4-ply rating) *plus tax

Prices subject to change

NEW FARM RIB

Three long-wearing, continuous ribs for easy steering — wide tread for extra flotation — tougher rubber compounds in tread and body for long wear — husky beads for greatest-ever durability!

GOODYEAR

MORE FARMERS PREFER GOODYEAR TRACTOR TIRES THAN ALL OTHER MAKES *PUT TOGETHER!*

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BUYS COLONIAL AGAIN.. for BETTER HEATING

"It is important to me to have a heating system that is dependable," says Mr. Cliff Boley, District Supervisor for Moorman's Feed, North English, Iowa (pictured here). "I am gone most of the day and it means a lot to me to know that our home is comfortably heated with a Green Colonial furnace . . . without any trouble for my family."

(At left is the oil-fired hi-boy furnace for utility room or basement installation. Just one of the many Green Colonial furnace models.)

Mr. Boley built a new home about seven years ago and had a Green Colonial furnace installed. After four years he sold it. He then built another new home last summer, and because of his previous satisfactory experience, he had a Green Colonial furnace installed. Why don't you enjoy the same extra advantages of a Green Colonial furnace that influenced Mr. Boley to buy a second one . . . advantages such as:

- **Fuel savings up to 25%**
- **Heavier construction, giving up to 12 extra years of trouble free service**
- **Tailored to fit installation for clean, even heat in every room**

See your local Green Colonial dealer or write for new illustrated literature.

Convenient Payment Plans

INSTALL NOW—PAY LATER

GREEN COLONIAL HEATING & COOLING

Green Colonial Furnace Company **Des Moines, Iowa**

How fast? When a young fellow gets in a car on these spring evenings, there's always a temptation to zoom along at high speeds. But why die so young?

INSIDE STUFF

WHEN I WAS in the east last week, folks asked me about the vote of farm state congressmen on 90 percent supports. For instance, five of Iowa's representatives voted for 90 percent.

"FOLKS OUT our way aren't so sold on 90 percent supports across the board," I said. "It's just that they don't like the decline in farm income. This vote was a protest against Benson's program."

IF MILK DEALERS sold milk at the stores at five cents under home delivered milk, what would happen? More milk would be sold, a New York dairy expert told me, and everybody would be better off.

WE HEAR a lot about low-income areas in farming, where folks are having a hard time to make a living. But there are also dead towns in coal and textile regions, where town jobs have faded out.

HOW DO YOU get new industries into these dead towns, so workers can get off the relief rolls and start eating again? This is one of the tough problems, even in a time when most towns are prosperous.

I WAS SORRY to see V. B. Hamilton of Franklin county turned down by the Iowa state senate for another term as a member of the Board of Education. "Ham" has done well by the schools, the state and farm people. He deserved another term.

NO MATTER who is on the Board of Education, the problem still remains of getting state schools ready to handle the big crop of high school graduates that is on the way. It will take both money and brains to manage this.

SHOULD WE expand the junior colleges to take some of the pressure off the big schools? Can we screen out some of the youngsters who have trouble with college work and do this without accidentally barring some future Edison or Einstein?

TWO YEARS AGO, a lot of folks claimed that all farmers had to do was to hold on a few years and increasing population would gobble up all the food supplies. Now most folks know better.

AT THE ARDEN HOUSE conference on agriculture recently, I found practically everyone agreeing that for the next 10 years at least, farm production would increase faster than population. Unless we get severe drouths.

THIS MEANS farmers will have to do some vigorous planning, in connection with the federal government, in order to keep production in line with demand.

RIGHT NOW, one of the worst things the nation can do is to start reclamation projects in areas where soil is poor and water supplies are limited. Yet congress is talking up a new reclamation bill this session.

—DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
(Volume 80—Number 10)
DANTE M. PIERCE, Publisher
RICHARD S. PIERCE, Associate Publisher

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COAST-TO-COAST STORES ORGANIZATIONS 25th Anniversary SALE

ROLLER PAINTER AND PAN SET

Regularly $1.78

89c Set

The 7-inch roller gives a fast, smooth paint job. Complete with hook-on pan, size 9½ x 14 inches.

WHITE HOUSE PAINT

Compare at $5.50

$3.99 Gallon in 5's

Brilliant white, "tough" self-powdering house paint gives excellent one-coat coverage.

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Lowest Price Ever!

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Transparent plastic 50 foot hose . . . guaranteed for 5 full years.

FREE PAINT TRIMMER

See the big values in our Paint Department. Ask for your paint trimmer, free!

FREE 25th Anniversary Sales Catalog . . . Savings in all 11 Departments!

Foley with Briggs-Stratton Motor

ASK US ABOUT 14 DAY FREE HOME TRIAL

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Easy to maneuver mower with wide 20-in. cut. 2 H.P., 4 cycle engine and rewind starter. Folding Stow-away handle.

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Douglas

Giant Size, 7-Piece

CHROME DINETTE SET

Seat as many as 10 at the huge table . . . with handsome wide stainless steel "apron." Foam rubber padded seats with practical plastic covers.

Compare at $169.95

$99.95

Rocket

Made in America!

Girls' and Boys' 24- and 26-inch

Chromatic "Fuchsia"

DELUXE ROCKET BIKES

Speedy middle-weight tires, powerful beam searchlight, chrome fenders, glamorous color-metallic finish.

$50 Value

$39.88

25th ANNIVERSARY SPECIALS FOR FARM, HOME AND CAR

12 Quart DAIRY PAIL

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69c

Prime stock tin plate reinforced with solid steel rod at top.

5-Foot, Flexible

GLASS CASTING RODS

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Flexible 5-foot rod strong-as-steel and with many, higher-priced features.

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PET PORTABLE SAW

Most useful tool for home Work Shop. Heavy duty saw, ball bearing construction, bevel and depth attachment. 2½ inch cut. Speed 4800 RPM.

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Safe, Fully Approved

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America's leading fencers . . . UL Laboratories and Wisconsin approved for high safety standards. Easy to install.

$13.75 to **$22.50**

Plus 8 Attachments

Westinghouse Five-Year Guarantee!

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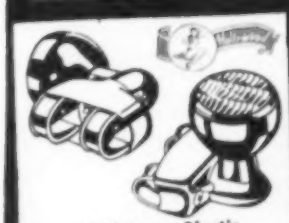
Famous Westinghouse swivel-base vacuum with 8 all-purpose attachments and toss-away bags. No lifting or moving necessary!

Save $40.00 Regularly $99.95

$59.95

FAMOUS BRANDS, FAMOUS VALUES IN OUR 11 BIG DEPARTMENTS

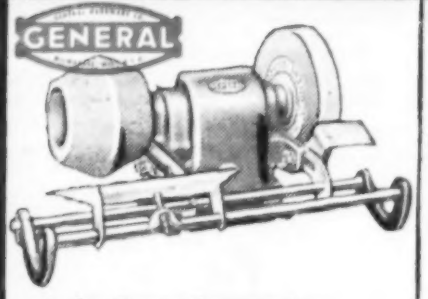
Fold-Away Plastic WHEEL SPINNER



$1.39

Embossed crown, plastic sides, double strap mounting. Smart car accessory.

GENERAL



Safe, Fast Sharpening

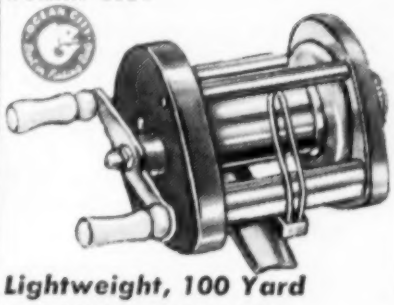
POWER SICKLE GRINDER

Designed to do many sharpening jobs around the farm . . . Heavy base casting, fully vitrified grinding wheels and sickle cone.

Regularly $9.95

$7.95

OCEAN CITY



Lightweight, 100 Yard

OCEAN CITY REEL

Compare at $7.95

True running spool, Smoothkaster control heavily chrome-plated and polished casting reel.

$5.88

"DISNEYLAND"

150 Gallon Capacity

"DISNEYLAND POOL"

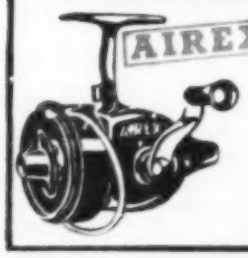
Heavy vinyl two-ring pool with gay Disney decorations. Easy-to-inflate, designed for rugged use. Complete with handy repair kit.

$10.00 Value

$7.99

Others as Low as $5.69

AIREX



New! Airex Apache **SPINNING REEL**

Regularly $9.95

$8.88

Left and right retrieve, guaranteed gears, fingertip tension brake and metal spool. Outstanding value!

COAST-TO-COAST STORES

MORE THAN 600 IN 16 STATES

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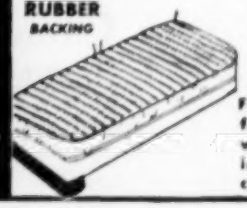

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Farm and feedlot

Save Leaves On Alfalfa Hay

Poor job of haymaking can leave the feeding value of 25 bushels of corn on every acre of alfalfa, says Leo R. Fryman, Illinois College of Agriculture dairyman.

Such a haymaking loss will come from leaving half of the leaves on the ground. Most of the feeding value in hay is in the leaves.

Fryman recommends cutting alfalfa as soon as one-tenth of the blooms have appeared. He says leaves start dropping soon after that stage of growth.

Another suggestion is to bale or chop hay before it gets to the dry, brittle stage. Leaves rattle out of hay rapidly when it is too dry.

Hay crusher or barn drying system are also recommended for saving more of the alfalfa leaves.

World Increase In Cattle

World cattle population has been going up along with increased numbers in the U. S. In this country, cattle numbers have increased six years in a row. For the world this is the eighth year of increase.

Total cattle in all countries is estimated 877 million head. U. S. total last January 1 was 95.4 million head. Thus, this country has over 10 percent of the cattle in the world.

World cattle population is about 18 percent above prewar, according to the Foreign Agriculture Service. In this country, the increase has been around 30 percent.

No Cross-breeding In Europe

Did you know that cross-breeding of livestock and poultry has not been practiced by European farmers?

In these older farming countries, the development of pure-bred animals of superior performance has been the objective. For example, Landrace hogs, Guernsey cattle, etc.

But European agriculturists are becoming interested in American livestock and poultry breeding methods. In the first week of May, 25 representatives of 11 European countries visited Iowa farmers and breeders.

R. S. Schott, geneticist of the USDA experiment station at Beltsville, Maryland, accompanied the 23 men and two women on the tour.

The European experts visited Iowa State College, the Farmers Hybrid Hogs plant at Hampton in Franklin county, Iowa, the Hy-Line poultry breeding farms and several other Iowa livestock farms.

The results of inbreeding and crossing (heterosis) interested the visitors greatly in both hogs and poultry.

They were also amazed to find that farmers in this country have been crossing market hogs for many years.

"Just what kind of an experiment is it, Junior?"

Sees Profits In Timothy Seed

This may be a good year to save timothy crops for seed, says Harvey Thompson, Iowa State College agronomist.

But the promise of profits from brome seed is less favorable.

Timothy seed was a small crop last year. And the carryover was very small. Barring a tremendous seed crop this year, Thompson expects timothy fields to return a good profit.

But brome grass seed, Thompson points out, is in a different situation. There was a large seed crop last year and a good sized carryover. He expects the 1955 price of brome to be about the same or lower than last year.

However, those who fertilized brome grass seed fields this spring or last fall might get a big enough yield to make it pay off pretty well.

Thompson says these predictions hinge on average weather conditions. An abnormal crop year could change the whole picture.

Compare "4x4" present livestock

Is your feeding plan up to date?

Five years ago you could raise 200 hogs and 40 head of cattle on 6,000 bushels of corn. Gross income was about $12,000. Today, "4x4" users raise 300 hogs and 80 head of cattle on that same 6,000 bushels of corn. Gross income — $20,000. HOW ABOUT YOU?

Successful hog producers have proved to themselves that "4x4" Hog Supplements will get their hogs to market faster and at lower cost.

110 Hogs Average 232 Lbs. at 5 1/2 Months on "4x4"

One of the many satisfied "4x4" users is Lee Siemer, Siemer Brothers, Britt, Iowa. He reports —

"We bought 110 pigs at a 30 lb. average and marketed them at the age of 5½ months at an average weight of 232 lbs. This is the first time we've fed "4x4" Supplements, and these hogs were the best that we have ever raised." And according to Mr. Siemer's feeding records, that 202 lb. average gain for each hog only cost 10.6c per pound.

Look at these Feed Costs!

18.2 lbs. "4x4" Hog Grower	$ 1.70
24.54 lbs. "4x4" Breeder-Finisher	2.20
9.09 bu. Corn	13.64
4.54 bu. Oats	3.63
4.54 lbs. Walnut Grove Hog Mineral	.38
Total Feed Per Hog	$21.55

With an average of 202 lbs. of gain Mr. Siemer's costs figure 10.6 cents per pound of gain.

Compare Poultry Results

Compare Hog Results

These 9-week old pigs are a few of the 225 Johnson-Hockemeier spring pigs raised on Walnut Grove's Baby Pig Program. Mr. Johnson and Mr. Hockemeier are Landrace breeders farming near Webster City, Iowa.

Why Does "4x4" Make Pigs Like These Possible?

Swine nutritionists have found that the nutritional needs of hogs vary with the age and weight of the animal. Walnut Grove used this information to build their famous LIFE-CYCLE Swine Feeding Program. The chart at the left shows the five stages covered by this LIFE-CYCLE Program. There's a specific "4x4" Supplement tailored to each growth period. Complete details may be obtained from your local Walnut Grove representative — or by mailing the coupon below.

"4x4" Fed Fryers Weigh 3 Lbs. at 8 Weeks of Age

"4x4" Starter & Grower Concentrate will make a 3 pound bird for 31c feed cost in eight weeks and will put a pullet in the laying house for only 67c.

Proof that a superior "4x4" feed means faster, better results comes from Anton Nelsen, Brayton, Iowa. He fed "4x4" Starter & Grower to 500 chicks this spring and lost only 10. His straight-run Hampshire Reds weighed 3 lbs. at eight weeks of age. He likes "4x4" Poultry Concentrate, too, because it helps hens maintain steady egg production. Mr. Nelsen fed "4x4" Poultry Concentrate to 300 pullets last year and gathered 270 eggs a day (90%) in November, 260 eggs a day in December and January and 250 in February and March. *"4x4" makes your poultry pay!*

Voice of the farm

Doesn't Like Visitors

To the Editor: We have spent billions of dollars and thousands upon thousands of our brave boys have given their lives to save free countries from slavery. To think there are some who would ask those who are to blame for this to come here so they can learn how to grow corn!

I have never heard of anything so stupid and ridiculous! I would not be surprised if some wanted to give these people the keys of the White House next.—Max J. Sapf, Clayton county, Iowa.

Germany and Japan, foes in World War II, have sent many delegations here. Should we stop visits from former enemies—or from former allies?—Editor.

Cut Production, He Suggests

To the Editor: Suppose that five or six midwest states, the bread basket of the United States, would stick together and put, say 15 or 20 percent of the soil into clover or some kind of a cover crop. We could call this our savings account . . .

Now, we insist on raising a few percent more than the public will consume. We're doing this at a time when the nation enjoys high employment and high wages. What's going to happen when unemployment comes with reduced payrolls? . . .

I think we can do better with a 75 percent crop and 100 percent parity than with 100 percent crop and 75 percent parity. Every man I talk to says "Yes, that's the way, but you just can't get farmers to stick together." Just how stupid are we?—Art Loucks, Mower county, Minnesota.

Invest S. S. Funds In Bonds?

To the Editor: So Mr. Gawthrop thinks you are doing "brainwashing" when you approve as perfectly sound the government practice of collecting social security taxes, spending money thus collected, and then printing a bond for the same amount and storing it away against the time social security obligations must be met.

Let the gentleman try the method out in his own affairs. Every time he takes in a hundred dollars, let him spend it as he pleases. But let him also very conscientiously make out a note payable to himself, sign it, and put it away in a vault.

Then in the future whenever any obligation of his comes due, let him go to that box and take out as many $100 notes as necessary. Perhaps, Mr. Editor, you too had better try this trick.—Richard Dill, Thayer county, Nebraska.

If your credit were as good as Uncle Sam's, this would work. Seriously, when any responsible organization wants to put its reserves in a safe place, it buys government bonds. That's what social security does too.—Editor.

Wants Communist Aggression Stopped

To the Editor: . . . If we stand by and let the Communists take over as much territory in the next 10 years as they have in the past 10 years, they will have just about achieved their goal of world domination. . . .

We have allowed the Communists to enslave one country after another, with the idea of avoiding war. And each time, the Communists become stronger and war or world domination by Communists a little nearer and more sure to come.—Steve Conner, Johnson county, Iowa.

How To Get Meat Type

To the Editor: May I give you one farmer's viewpoint on the article, "Hogs have more lard now," in the April 16th issue?

The question is asked: "Why haven't meat type hogs and better feeding methods done more to solve this fat meat problem?"

I would like to ask: Why if the packers want meat type hogs don't they encourage the farmer to produce them by paying a premium for them?

We have raised meat type hogs for seven years. And once we received a premium on a load of hogs that averaged 206 pounds.

My husband takes a load of 215-220 pound hogs to market and receives the same price as others are getting for short, lard type hogs. . . .

Packers will get meat type and lighter hogs when they start encouraging the farmer—either by premiums for meat type, or discounts for the large, fat type.—Mrs. Bert Brown, Buchanan county, Iowa.

results with your feeding program

Compare Beef Results

72 HEAD OF CATTLE AVERAGED 2.8 POUNDS GAIN per head per day during 58-day feeding period on Hunt Bros. Farm, Atlantic, Iowa. During the first 30 days, average daily ration fed was chopped corn fodder (limited feeding), blue grass pasture, 6 lbs. of corn cob meal and 1 lb. of "4x4" Beef 25 Supplement with Stilbestrol. For the second 28 days, the ration was chopped corn fodder (limited feeding), blue grass pasture, 10 to 12 lbs. corn cob meal and 1 lb. "4x4" Beef 25 with Stilbestrol.

Steers Gained Over 3¼ Lbs. Per Day

Remember, whether in the feedlot or on pasture—"4x4" Beef Supplements supply the proper levels of vitamins, proteins and minerals needed by the rumen bacteria in cattle to convert roughage into fast, economical gains.

Dean Marsh, of Hartington, Nebr., bought 50 steers averaging 876 lbs. and sold them 126 days later averaging 1203 lbs. In 40 days cleaning up after the corn picker they averaged only 1.2 lbs. gain per day. But in 86 days in the feedlot on corn, chopped hay and "4x4" Beef 25 with Stilbestrol, they gained better than 3¼ lbs. per day—and they did it at a total feed cost of $59.65 per steer, or 18.3c per pound of gain for 126 days.

Feed "4x4" with your Home Grown Grains For GREATER PROFITS—FASTER GAINS!

Facilities Like These at Walnut Grove Insure Top Quality Feeds

CONTROL—Every ingredient is tested to rigid specifications before it is used. Laboratory controls insure the scientific production of "4x4" Supplements to meet exacting quality standards.

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DELIVERY—Strategically located Company depots and a fleet of our own trucks make it possible for Walnut Grove to deliver *fresh* supplements to your farm—never more than 10 days old.

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Up to 6 on small grains! Up to 8 on rice! Up to 4 on pastures!
These are facts, not mere claims.

Of course, actual costs and gains in your individual case will depend on the type of soil you are farming, the delivered price of Lion Ammonium Nitrate in your locality, and other variables. However, the gains shown above are typical for ammonium nitrate applied to fields fertilized according to their needs as indicated by soil tests.

Lion Ammonium Nitrate Fertilizer is scientifically prepared to give you the *most nitrogen per dollar*—the *lowest-cost nitrogen* available in solid form. And this superior fertilizer contains *two* types of nitrogen—*quick-acting* nitrate nitrogen to get growth started fast, and *longer-lasting* ammonia nitrogen to insure continued growth.

For pre-planting, side dressing or top dressing with solid nitrogen, insist on Lion Ammonium Nitrate. Get the most for your money. See your favorite fertilizer supplier for your requirements, and specify Lion brand.

LION AMMONIUM NITRATE FERTILIZER is guaranteed to contain 33.5% minimum nitrogen. Special conditioning gives the uniform pellets increased resistance to caking during shipment or in storage. This fertilizer flows freely, spreads evenly and its uniform high quality is backed by Lion's established reputation.

Lion . . . the Largest Manufacturer of Prilled Ammonium Nitrate Fertilizer in the World, also produces Sulphate of Ammonia and Anhydrous Ammonia.

A SOIL TEST *is the first step toward the intelligent use of money-making plant foods. See your county agent, vo-ag teacher, or soil conservation leader for advice and assistance.*

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How do you make

Grass Silage?

Farmers with silage making experience are asked about preservatives, wilting, etc.

Best stage of growth for ensilage is about the same or slightly more mature than for good hay.

by **Dave Bryant**

HOW do you get good "grass" silage? Should you use a preservative? Should you wilt the hay before chopping and ensiling?

Best answers come from experience. And here's your chance to cash in on the experience of some of Iowa's better dairy farmers.

About one-third of Iowa's DHIA members make grass silage.

To get the "farmer's slant" on making and feeding grass silage, the dairy husbandry department at Iowa State College sent a list of questions to DHIA members who made grass silage last year. And 355 replied.

Eighty-six percent of these dairymen described the odor of their silage as "very pleasant" or "mild." Only two percent reported much trouble in getting cattle to eat grass silage.

"That means they're getting good silage," observes Floyd Arnold, extension dairyman at the college. How do they do it?

"What kind of preservative did you use? How much per ton?" the dairy farmers were asked. Here's how they answered:

Answer	Percent	Rate
None	57%	.....
Dried molasses	16	15-100 lbs.
Corn and cob meal	10	50-300
Sodium metabisulfite	6	6-12
Liquid molasses	4	30-80
Other	7	.....

Other preservatives included ground shelled corn, 150 pounds per ton; beet pulp, 50 to 150 pounds; molasses pellets, 35 to 75 pounds; sugar, 10 to 60 pounds, and some commercially prepared preservatives.

You'll notice quite a range in the amounts of preservatives used. Some variation should be expected. Silage experts say that more preservative is required if the silage is high in legume content than if it is high in grass.

However, that much variation probably isn't justified. Arnold suggests that the man who used only 15 pounds of dried molasses per ton, for example, probably didn't get much benefit from the standpoint of preservation.

Recommended rates for some of the more widely used preservatives are as follows: Corn and cob meal, 125 to 200 pounds per ton; dried molasses, 60 to 100 pounds; liquid molasses, 30 to 60 pounds.

However, you'll notice that more than half of the dairymen used no preservative. Arnold says the trend seems to be away from use of preservatives.

Experience has shown that you can get good quality silage without a preservative if you have proper moisture content, 65 to 70 percent. Green forage at the proper stage for cutting usually averages about 80 percent moisture.

Next question: "How much did you wilt the forage before ensiling?"

About one-fourth of the dairymen in the survey did not wilt it at all. They cut and hauled forage directly to the silo.

About half of them allowed 15 minutes to one hour for wilting. And the remaining one-fourth wilted forage two hours or more.

Arnold thinks it's wise to allow a little time for wilting if your forage crop contains more than 50 percent legumes.

You can make good silage from any crop that'll make good hay. Roger Tweedy of Henry county, Iowa, ensiled oats in the dough stage last year. He says oats silage is excellent for dairy cows.

Another question: "What type of 'grass' silage did you make last summer?"

Answers indicated that good silage can be made from any crop that would make good hay.

Dairymen reported putting about everything from alfalfa to quack grass in their silos.

Of course, you can't make something from nothing. And the better the quality of your hay crop, the better quality silage you can expect.

Alfalfa was the most commonly used crop for silage.

Other legumes included red clover, sweet clover, alsike and ladino.

The most frequently used grass was brome—followed by timothy, sudan, sorghum and cane.

More than half of the dairymen who answered questions said they made silage from alfalfa-brome combinations.

A big majority of the dairymen in the survey had upright silos. Others used trench and surface silos with results that, in general, were pleasing.

Trench and surface silo users emphasized the importance of thoro packing.

They also indicated that spoilage can be held to a minimum in surface silos only when sidewalls four to eight feet high are erected.

Moisture content probably is the biggest stumbling block in making grass silage. It's hard to determine.

But it's mighty important. If the moisture content is too high, you're likely to have silage with a strong, undesirable odor. Or if forage is too dry, you may get excessive spoilage.

Most dairymen preferred risking strong odor rather than moldy silage. And many felt that a preservative reduced the chance of undesirable odor.

Gone To College

Milk vending machines have gone to college. First dispensers were installed in campus buildings at Iowa State College in early April. More than 20 of the machines are now in service. Plans call for about 25 more on the campus by next fall.

Students and faculty members now drink more than 1,500 cartoons of vending machine milk per day (one-third quart for 10 cents).

In the picture, Bob Smith of Marshall county, Iowa, and Norman Sands of Story county stop between classes for refreshment.

From Wheat To Grass

AGRICULTURE NEEDS to make adjustments — less wheat, more people able to buy more dairy products and meat. How do you go about getting these changes?

John H. Davis, former assistant secretary of agriculture under Benson, has this suggestion:

"The 25 percent drop in farm net income during the past four years should make us pause and think. We cannot afford to permit agriculture to move backward while the balance of the country moves forward to new levels of prosperity.

"The philosophy that the entire agricultural economy must be depressed economically as a means of forcing adjustments is unsound—it does not fit the enlightened era of the 1950's. In general, it is wiser and usually more successful to implement economic adjustments by the incentive method than by the punishment method."

Today we are trying to get smaller wheat acreage by lowering support prices. Would it be smarter to offer incentive payments to wheat farmers who are willing to shift from wheat into grass?

And incentive payments of some kind could be used to get consumption of the extra dairy products and meat that farmers are ready to produce.

The use of production payments, food stamps and expanded school lunches might even be cheaper in the long run than the "punishment method" Davis speaks of.

Editorials...

Insure Feed Supplies

LIVESTOCK MEN with reserve corn have a chance now to insure feed supplies for a year or two ahead.

Corn of last year's crop can be sealed until May 31. Crops of 1953 or 1954 can be resealed and kept on the farm.

Sealing or re-sealing will protect your feed supplies in case of new-crop losses from hail, floods or drouth.

Inconvenience or cost of taking loans on corn is cheap insurance against these possible losses. They strike somewhere every year.

Watch crop prospects and figure feed needs before you let corn get off your farm.

How Many Sows?

TIME TO BREED sows for fall pigs is here. Will you keep the usual number, extra sows or fewer sows?

You can't know much about the size of this year's fall pig crop until the June Pig Crop Report appears. That will be about the third week in June.

There's a chance that farmers will look at lower grain prices and increase the pig crop again. Further increases mean continued low prices for hogs, or even lower prices.

Hogs will likely be cheaper than corn next spring, even without an increase in the fall pig crop.

Only the farmer with equipment and know-how to raise pigs at rock-bottom costs should increase sows for this year's fall pig crop.

Warm Days, Good Corn

WHAT CAN WEATHER of the next six weeks do to the corn crop? Effect will be more on quality than on yield.

Warm weather indicates sound, high quality corn next fall. Early season heat speeds corn development.

Real cool weather means late maturity. With June average three degrees below normal, soft corn is likely. Corn rarely makes up for June setbacks.

Dry weather is not usually harmful to corn until about tasseling and earing time.

Plan for freedom

Savings, life insurance and social security can give independence

IF YOU are like most folks, you dream of having money when you get old.

You want freedom from dependency on children or anyone else. You want to be able to travel a little, or enjoy some leisure time.

But that isn't all. You want protection for your family in your working years. You don't want them left destitute if health failure or accident takes you prematurely.

To reach these goals, you need a plan. Let's consider one that includes savings, life insurance investments, and social security.

THRIFT is the oldest path to security. It's still not out of date. But many find it difficult today with so many nice things to buy.

No farm family should go without the modern things that make our good standard of living. But the shiny new things should not take all of your money.

Some reserve should be set aside for educating children, for possible periods of disability, and for the inevitable time when you must quit work.

To get the money now, you'll have to save it some way. The bubble of rising values has broken.

MONEY saved means investments. Where should a farmer put his money?

Property used in the farm business, life insurance and good safe bonds fit into a safe plan. They are things you know something about.

Buy government bonds as you accumulate money for the purchase of machinery or a farm home. They are always cashable and carry no big speculative risk.

But life insurance should go along with farm property investments. Life insurance gives immediate protection to your family, if death comes prematurely.

Accumulation of property and life insurance go together. And now there's a third help toward financial security.

BEGINNING this year, farmers are in the government social security program.

Like life insurance, social security benefits provide quick protection for your family. They also supplement income after 65 for you and your wife.

Social security payments tie in with property accumulation, and life insurance to provide family protection in your working years, and support in retirement. The three together make a good sound plan.

How find the money for such a security program? It won't always be easy. But financial independence in later years is worth fighting for.

To Clean Corn

IF CORN ISN'T clean after the first cultivation, it will never be entirely free of weeds.

Corn raisers agree pretty well on that. But they use different methods for killing weeds while corn is small.

Some corn raisers try hard to kill the weeds and grass between corn planting and cultivation. The spike tooth harrow is used before corn is up. Then the rotary hoe.

Other farmers fear hurting corn stands with the harrow and weeders. So they depend mainly on the first cultivation to clean the corn. They claim to be able to set the cultivator so weeds and grass are torn up between rows and covered in the row.

On farms where you see clean corn regularly, you'll probably find that farmers use both methods.

If weather is favorable, harrow and rotary hoe are worked overtime. And they are followed by careful and painstaking first-time cultivation.

No labor is lost by extra working of corn to kill weeds before it is six inches high. Usually such work will save one cultivation later on.

Exciting Issue Ahead

MORE HAS BEEN learned about crop and livestock raising in the last 100 years than in 5,000 years before.

The big stories about a century of farming progress have all been recorded by Wallaces' Farmer and Iowa Homestead. For this publication is 100 years old this year. Watch for a review of these stories in our centennial issue, August 20.

"Never used so much water as I have since the landlord put in running water," said Mrs. Harold Weaver, Cerro Gordo county, Iowa. Women find it a great help in kitchen work, leaving more time for other things.

Odds and Ends . . .

. . . IF YOU START to figure out your work problems while driving car or truck on the road, someone else may have to complete your plans. Absent mindedness and day dreaming set the stage for wrecks.

. . . HOG NUMBERS are going up in Canada as well as here. Spring pig estimate for our northern neighbor is 5.2 million head, 21 percent above last spring. Total is about one-tenth of U.S. spring pig production.

. . . APRIL WAS WARM and wet. It doesn't mean a thing, records show, as to kind of summer weather we'll have. But it might mean a pretty good hay crop.

. . . FARM PRICES CAN'T be allowed to continue downward while other prices stay up. If old support price methods won't work, new ones will have to be tried.

. . . CORN ACREAGE this year will be only slightly above the 60-year low in 1953. But we could have a record crop because acreage is up in the high-producing areas, down in the low-producing areas.

. . . MEAT PRODUCTION was up seven percent for the first quarter this year compared to the first quarter last year. Pork increase of 18 percent was responsible for the boost.

. . . FOR FARMERS, production is fairly stable; prices are flexible. For industry, prices are fairly stable; production is flexible. That's one big reason for farm programs.

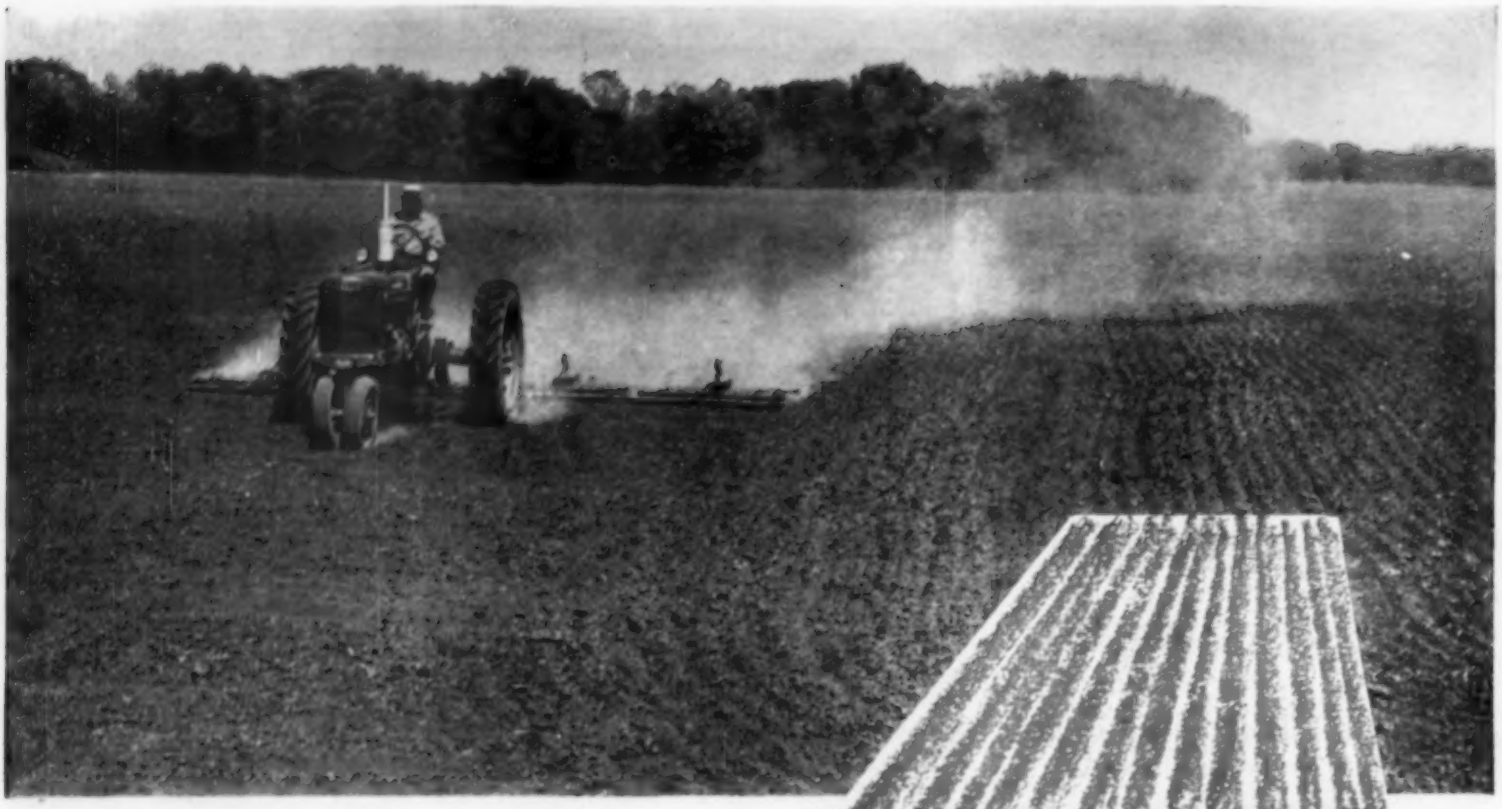
. . . CAPITAL INVESTMENT per farm worker is about $14,000 as a U. S. average. In this commercial farming area, investment is about $20,000 per worker. Investment per worker is much more in agriculture than in industry.

. . . IF WHEAT QUOTAS are beaten in the referendum, the wheat loan would drop to $1.20. Wheat price probably wouldn't drop that low—maybe to $1.40 or $1.50 a bushel. A lot would be fed to livestock.

Song of the Lazy Farmer

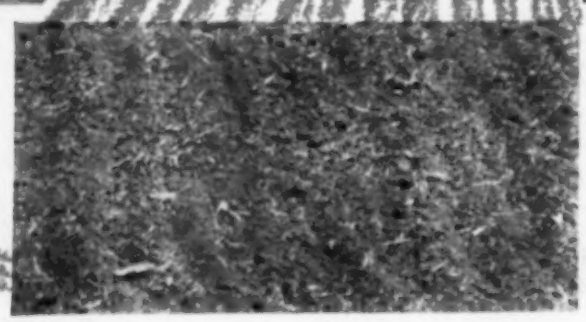
MIRANDY'S got the bee on me to buy a brand new car, by gee; she says the one we've got was fine when it was built in 'twenty-nine, but now leaves much to be desired and really ought to be retired. She claims that thing's so out-of-style, she's 'shamed to drive a single mile; it clanks and knocks so much she fears that it's about to strip some gears, and she is fed up with the way it starts just ev'ry other day. "My plea," Mirandy says, "is not for fanciness like neighbor's got; I'll think 'most any kind is grand that I don't have to crank by hand."

I won't agree our bus is done, but I'd still get another one except my memory's so clear 'bout how, last time, it took a year to teach that woman how to drive just good enough to stay alive; with clammy fear, I shudder when I think of trying it again. A modern car, it seems to me, would just confuse her hopelessly; I doubt that she could get the drift of any automatic shift; with dashboard buttons by the score, she'd never learn what they are for. To lose my wife would be a blow, a wrecked new car would be more so.



Do Corn Belt farmers work soil too much?

by **Al Bull**



Will this **harrowing pay? Probably not. Seedbed is already worked more than necessary for accurate planting. Closeup view shows soil particles broken almost powder fine. This is hard on soil structure.**

MANY soil scientists say we are work- the soil too much. Some farmers agree. They have both research and field results to back up their arguments.

They say many seedbed operations carry over from habit formed when horses pulled light, less-effective equipment. Now, tractors and plows do a better job of turning the soil. So there's less need to work the seedbed so many times.

Extra times over the field with heavy machinery is hard on the soil. Ohio tests show that heavy machinery plugs soil pores, breaks down structure, slows aeration and reduces root penetration.

Connecticut tests show how much machinery packs the soil. Six uniform strokes forced a core sampler into soil in the row. But where rear wheel of tractor packed between rows, 13 strokes were needed.

Stirring the soil too much can be harmful, too. New Jersey tests showed less air space and more compaction in overworked soil. It puddled when wet and formed a crust on drying.

Corn with one cultivation in these tests gave same yields as corn cultivated more often. Chemicals helped control weeds.

R. L. Cook, Michigan State College soils specialist, says, "We recommend minimum tillage for oats, corn and sugar beets. That's on all soils where use of the moldboard plow is practical."

He figures this way: Main purpose of tillage is to give crops a chance to compete with natural vegetation. A moldboard plow does this by turning under vegetation. Then, any implement that makes accurate planting possible gives all the tillage needed for most crops.

Cook's tests showed same yields for crops with minimum tillage as with regular treatment.

John Slipher of Ohio State University says, "Farmers can prepare seedbeds with less tillage. A rotary hoe or harrow after the plow is often enough."

Frank Schaller, Iowa State College soils specialist says, "Minimum tillage can give good corn yields. Overtillage breaks down soil structure. But it is hard to tell just how much tillage is harmful.

"If operations are spaced to allow weed seeds to germinate, extra tillage may pay. But seedbeds don't have to be smooth to get good corn stands."

"Many farmers overwork land that is going into corn. But seedbeds for small grain and grass-legumes seedings are seldom overworked," Schaller concludes.

In some tests corn has been grown without seedbed tillage. Mulch planters and hard ground listers sometimes require no advance seedbed preparation.

Now, what do farmers who have tried minimum tillage have to say?

F. E. Durey of Delaware county, Iowa, says, "Maybe we are working soil too much."

"Last year, I had a field of alfalfa sod. It was plowed and harrowed three times, and planted. No disking," he explains.

Then he adds, "Not long after planting, we had a big rain. Fields with regular tillage eroded badly. Tho the low-tillage field was sloping—some of it steep, there was no washing. The soil was really in shape to take up moisture. It raised a really good corn crop, too."

John Heilman of Ida county, Iowa, planted corn without disking, too. He plowed and used a spring tooth harrow just before planting. Rubber-tired planter wheels pressed soil enough to make a good seedbed. He's putting in more corn the same way this year.

Ronald Ludwig of Sioux county, Iowa, plants about 100 acres of corn a year without use of disk or harrow. Each plow bottom is followed by a small rake to smooth the soil for planting.

"I have fewer weeds. And soil tilth is improving, too," he thinks.

In Plymouth county, Arnold Evans planted right behind the plow for several years. He used tracks of narrow tread tractor for seedbed.

Now that he has a tractor with a wider tread, he uses a furrow opener with leveling shoe and press wheel.

"Our soils are packed too much by heavy machinery. Cutting down field operations is bound to improve soil tilth," says Evans.

These farmers and scientists recognize that you have to fit tillage to soil and weather conditions. But they have shown that soil can be worked too much. And that we can get by with less tillage than we do now. Big unanswered question is this: "How much tillage is too much?" So far, no one has the answer.

Meet the NEW UNI-TRACTOR *for the Champion* UNI-FARMOR

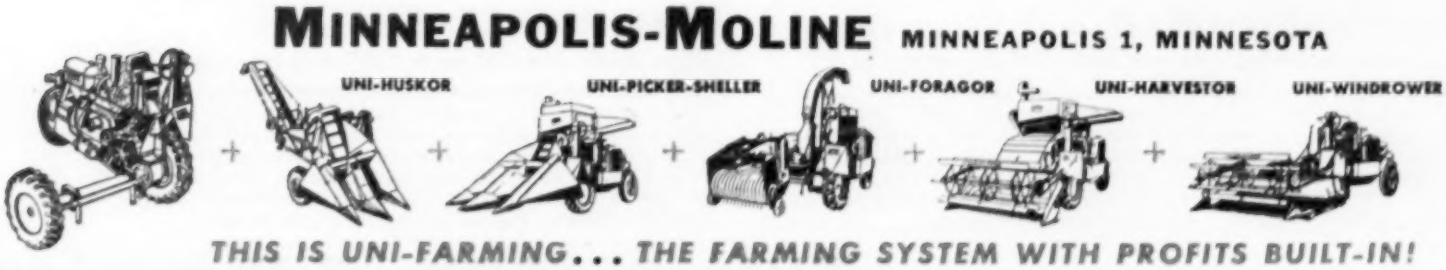
NEW-POWER UNI-FARMING BRINGS CAPACITY PROFITS TO AVERAGE SIZE FARMS— PAYS BIG CUSTOM-WORK DIVIDENDS

Here's *more* power, *greater* convenience, to make the self-propelled Uni-Farmor a better buy than ever before. This new Minneapolis-Moline Uni-Tractor packs the extra horsepower you've asked for . . . *plus* the big, new advantages of hydraulic power steering. These are some of the ways you profit:

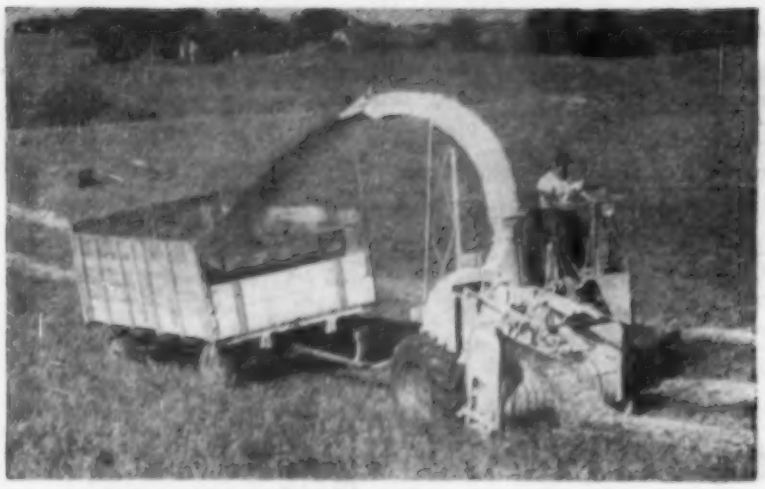
1. ***Powerful new V-4 engine*** with 20% more horsepower gives you a big boost in work capacity.
2. ***Hydraulic power steering*** is standard equipment.
3. ***Exclusive Uni-Matic hydraulic system*** gives you one-lever control of mounted machines.
4. ***Standard or low-profile tires,*** for the flotation you need.
5. ***New crawler tracks*** for Uni-Harvestor let you harvest where wheels can't go.
6. ***Plus*** . . . new Uni-belt for unmatched variable-speed drive, perfect self-propelled visibility, and quick, easy mounting and dismounting of Uni-Farmor machines.

This new Uni-Tractor takes MM Uni-Farming a long step forward . . . gives every Uni-Farmor machine greater capacity, easier handling, stepped-up performance. Get the facts on self-propelled farming at its money-making best. See the new Uni-Tractor at your MM Dealer soon!

MINNEAPOLIS-MOLINE MINNEAPOLIS 1, MINNESOTA



THIS IS UNI-FARMING . . . THE FARMING SYSTEM WITH PROFITS BUILT-IN!



UNI-FORAGOR

Uni-Farmor capacity for all your forage crops

Hay or row crops, this MM Uni-Foragor handles them all . . . gives you field-chopping to the lengths you want and holds the lengths without leaf loss or stem shattering. You set cutting lengths of ⅜", ½", ⅝", 1⅜", 2⅜" or 3" without removing cutter knives, switch quickly from crop to crop with interchangeable hay pickup or row crop heads. With new Uni-Tractor power, you zip through thick, heavy stands where under-powered choppers clog up and stall.

UNI-HARVESTOR

Famed MM Harvestor performance in a self-propelled unit

When other machines pulled out, the MM Uni-Harvestor walked right through this weedy, wind-snarled bean crop. Even in rolling terrain, the toughest harvest goes faster and easier with this compact, powerful, self-propelled machine. The hydraulic controlled header takes a 9-foot cut in grain, handles 2 to 3 rows of beans. You get crop-saving MM Harvestor performance and Uni-Farmor capacity, too!

UNI-WINDROWER

High-speed windrowing with new control of cutting height

New Uni-Matic hydraulic height control, big 10-foot capacity, and perfect self-propelled cutting visibility make this MM Uni-Windrower outstanding. Constant speed drive gives you the same cutter bar speed for all tractor speeds. Tough, rubberized canvas with sturdy steel slats resists rot and wear . . . lays hay and grain in fluffy windrows with all heads pointing the same direction for uniform drying and curing. You open fields anywhere . . . cut every crop as it ripens.

Why no other pays you as the UNI-

MINNEAPOLIS-MOLINE MM MODERN MACHINERY

THERE'S REAL MONEY FOR *YOU* IN MM UNI-FARMING . . . *BIG* MONEY! NO OTHER FARMING SYSTEM SAVES YOU SO MUCH IN FIRST COST . . . YET PAYS YOU SO FAST . . . ON SO MANY DIFFERENT JOBS!

Your machinery costs take a big drop the day you buy the Minneapolis-Moline Uni-Farmor. They *keep* dropping, with every new Uni-Machine you add, even as champion Uni-Farmor performance boosts your income from crop after crop. How can this self-propelled farming system actually *save* you money on machines that help you do a *better* farming job? By making one Uni-Tractor work *five* ways to power and propel *five* separate harvest units. By giving you a compact, job-tailored, self-propelled machine for every crop with the same engine, the same drive wheels, and the same hydraulic control system.

YOU SAVE UP TO $1500 AT THE START.

Here's just one example of how the MM Uni-Farmor gives you a big cash saving from the start: You can buy the Uni-Tractor with Uni-Foragor, Uni-Harvestor, and Uni-Picker-Sheller attachments for as much as $1500 less than the 3-plow tractor and pull-behind machinery you'd need to do the same jobs. That's *saving* money to *make* money . . . real proof that Uni-Farming pays as no other system can!

YOU GET CHAMPION PERFORMANCE IN EVERY CROP!

Big as that first big saving is, it's only the beginning. MM Uni-Farming means champion, self-propelled performance in *all* your crops, from the hay cutting to the last row of corn. Mount the Uni-Foragor and you've got big, self-propelled capacity for chopping hay or row crops . . . switch to the Uni-Windrower and you lay

UNI-PICKER-SHELLER

Picks, shells corn with up to 30% moisture content

You pick and shell corn in one quick trip with this advanced Uni-Picker-Sheller. You handle corn with up to 30% moisture content, get into your fields before corn borers and wind can knock down yields. Cobs and husks stay right where they've grown to mulch the soil. You profit by all the prize-winning advantages of the Uni-Huskor, plus the big-capacity, low-cylinder-speed shelling of MM's Model D Sheller, biggest selling sheller in its size.

THIS SEASON, GET BETTER

system as fast champion FARMOR

hay or grain in swaths 10-feet at a cut. In grain, seed and bean crops, you're on top of the job with the Uni-Harvestor. You husk corn with the Uni-Huskor, winner of 1st, 2nd and 3rd prizes in the 1954 International Corn Picking Contest. Or, you mount the Uni-Picker-Sheller and harvest your corn ready-shelled, in one trip through the field. Crop after crop, all season long, you profit by unbeatable Uni-Farmor performance...self-propelled farming at its money-making best!

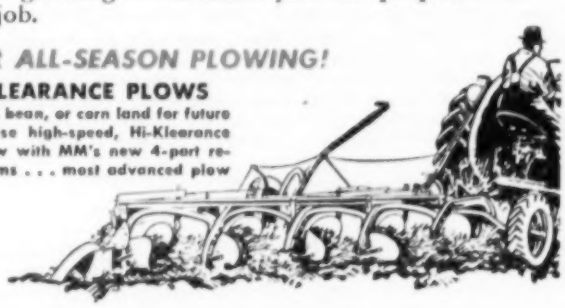
HOW THE UNI-FARMOR BUYS ITSELF:

Investment dollars produce income dollars *fast*, when you buy the Uni-Farmor. That's why you can start with Uni-Tractor and one or two Uni-Machines to get stepped-up capacity in your key crops—then add other Uni-Machines as your income goes up. You build a complete, self-propelled system for your farm in easy stages—and pay for it out of your added profits. Uni-Farmor capacity saves time for custom work, too—helps you make money after *your* harvest's done. Five farm-tested Uni-Machines are ready now for the Uni-Farmor . . . more are being tested. Other manufacturers in allied farm equipment fields are also building machines to mount on the Uni-Tractor. All these added machines will keep your Uni-Farmor growing . . . to make you self-propelled on every farm job.

TOPS FOR ALL-SEASON PLOWING!

MM HI-KLEARANCE PLOWS

You plow grain, bean, or corn land for future profits with these high-speed, Hi-Klearance MM Plows. Now with MM's new 4-part replaceable bottoms . . . most advanced plow bottom made.



1st 2nd

Be a CHAMP with a CHAMP!

UNI-HUSKOR

Prize-winner in your corn, too!

Here's the world champion Uni-Huskor, winner of 1st, 2nd and 3rd prizes in the 1954 International Mechanical Corn Picking Contest! Championship advantages like these are built-in standard equipment: Uni-Matic hydraulic height control . . . the exclusive MM husking bed with 10 36-inch sectional rubber-and-metal husking rolls, rotating and side-to-side raddle action that really gets corn clean . . . full length corn saver.

Put this self-propelled money-maker to work in your corn and see corn profits go up! It's available as a Uni-Snapper without the husking bed. Later if you wish, you can add a new low-cost sheller attachment to shell your corn as you harvest.

MM 2-ROW PULL-BEHIND HUSKOR

For years, this MM 2-row Huskor has been first choice of thousands of profit-wise corn farmers! *This* year, it's better than ever, with the husking advantages proved unbeatable by the Uni-Huskor. A 2-3 plow tractor pulls and powers this MM Huskor as you pick and husk up to 25 acres a day.

MM 1-ROW PULL-BEHIND HUSKOR

This MM 1-row Huskor harvests up to 13 acres a day, gives you the profit-boosting performance you expect from every MM Huskor. Three gathering chains, eight sectional type metal and rubber husking rolls, 53½-inch snapping rolls—you make money with them all.

MM 2-ROW MOUNTED HUSKOR

Two quick hookups mount this new MM Huskor on your MM tractor to give you self-propelled husking with big, 2-row capacity. It's available for MM Models ZAN, ZAU, ZBN, ZBU, UBN, UBU, UTN, and UTU.

DON'T FORGET TO ASK FOR FACTS ON MM'S NEW 4-PART PLOW BOTTOMS

MINNEAPOLIS-MOLINE MINNEAPOLIS 1, MINNESOTA

Mail this coupon and be up-to-date on MM Uni-Farming

MINNEAPOLIS-MOLINE Dept. 45
MINNEAPOLIS 1, MINNESOTA

I'm interested in buying the MM Uni-Farmor for my farm. I farm ..... acres and would like full information on the Uni-Farmor machines checked below:

( ) UNI-TRACTOR ( ) UNI-WINDROWER ( ) UNI-FORAGOR
( ) UNI-HARVESTOR ( ) UNI-HUSKOR ( ) UNI-PICKER-SHELLER

I'd also like further information on the following MM machines:

( ) 2-ROW HUSKOR ( ) MOUNTED HUSKOR ( ) 1-ROW HUSKOR
( ) MM HI-KLEARANCE PLOWS ( ) MM 4-PART PLOW BOTTOMS

Name_____

RFD_____ Box_____

Post Office_____ State_____

UNI-FARMOR PROFITS!

MM FORAGOR

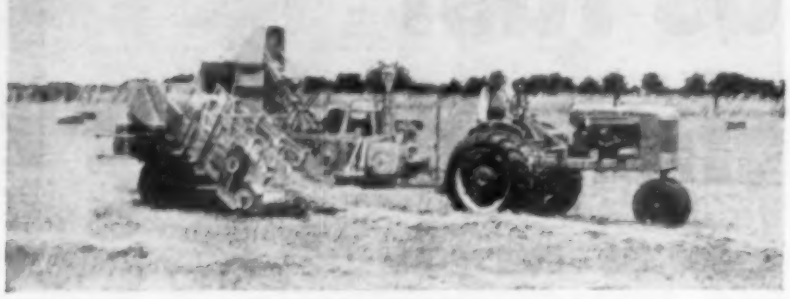
For Real Profit Capacity

Feeding green forage, chopping for silo or pit . . . you must have a forage harvester that does a good job f-a-s-t! That's the MM Foragor, engine or PTO driven . . . offers *uniform* cuts from ⅜" to 3" without removing cutter knives, lets you *hold* your cut in every crop without stem shattering or leaf loss. When you want to beat the clock with your forage operation . . . see your MM dealer every time. He sells capacity!

MM BALE-O-MATIC

Offers All These Advantages

On your own farm, on custom work, you'll net top hay profits with the Minneapolis-Moline Bale-O-Matic. Wire-ties firm, square-cornered bales under self-adjusting compression. No light spots, no wire clippings. Slices and packs the firmest bale on the market . . . meets and passes every requirement for shipping and resale. Before you buy *any* baler, see your MM dealer. He has profit facts for you.



Bales, Silo or Stack...

YOU PUT UP HAY FOR LESS WITH THESE MM MACHINES

MINNEAPOLIS MOLINE — MODERN MACHINERY

Soon as one machine in your haying outfit slips below profitable performance . . . that's the time to strengthen the link in your hay machinery chain. And, THAT'S the time to see your Minneapolis-Moline dealer. Whether your farming pattern calls for hay in bales, silo or stack—you're dollars ahead if you make your *next* machine a Minneapolis-Moline. MM builds hay machines to make money for *you* . . . to give you top-dollar profits season-after-season . . . to stand up under the toughest conditions and still deliver the fast, gentle hay handling you need to show the best profits on your crop. You add PROFITS, when you add MM.

MINNEAPOLIS-MOLINE MINNEAPOLIS 1, MINNESOTA

MM WINDROWER

Beats the Weather in Hay and Grain

When windrowing your crop pays you *better*—make it pay you *best* with a Minneapolis-Moline Windrower. In 8-, 12-, or 14-foot models, you buy the size to best meet your needs. Simple, rugged design makes breakdown practically unheard of. Heavy duty canvas treated with MM's exclusive "Formula J" to repel water and resist rot outlast ordinary canvases by a country mile. Built for *service*, the MM Windrowers are your best buy.

MO MOWER

For Quality Hay

You get all your hay at its peak when you cut with this high-speed MO Mower. Full 7-foot cutting width and 2-speed V-belt drive give you capacity that really makes your hay harvest hum. Built-in down pressure, full-pivoting rear wheel for square turns, and safety break-away release are advantages that pay you every hay season. Ask your MM Dealer for *all* the facts on the MO Mower, hydraulic or mechanical lift.

OMA RAKER-TEDDER

Babys Your Hay!

Here's the Side-Delivery Rake that does double duty in your hay! Set the OMA as a rake and you get fast, gentle windrowing. Reverse the simple gearing mechanism and you ted hay rearward. Idler gear for the OMA is standard equipment. If an old-fashioned rake is bottle-necking your hay harvest, you'll be money ahead with this MM Raker-Tedder.

clip out and mail coupon for Hay Tool facts

MINNEAPOLIS-MOLINE Dept. 45
MINNEAPOLIS 1, MINNESOTA

I'm interested in buying the MM Hay Tools checked below. Please send me complete literature on these machines. I farm _____ acres.

( ) MM BALE-O-MATIC ( ) MM FORAGOR ( ) MM WINDROWER
( ) MO MOWER ( ) OMA RAKER-TEDDER

Name _____

RFD _____ Box _____

Post Office _____ State _____

YOU ADD PROFITS,

SP-168 HARVESTOR

New Self-Propelled Giant

POWERflow hydraulic drive, power steering as standard equipment, new one-lever concave adjustment, and a new automotive-type clutch are a few of the outstanding advantages of this new Harvestor. With 12-, 13- and 14-foot headers or new 8-foot windrow pickup.

"88" HARVESTOR

New Capacity . . . New Performance

Here's capacity to beat far bigger machines—with light-draft performance that gets crops fast! Chain raddle feeder assures a positive feed under all combining conditions. Tread adjusts for easier row crop harvesting. With 88-inch cut header or windrow pickup.

Every bushel pays you better when you buy one of these

5 MM HARVESTORS

MINNEAPOLIS MOLINE — MODERN MACHINERY

"69" HARVESTOR

Built For Your Lowest-Cost Harvest

A 2-plow tractor easily pulls and powers the light-running Harvestor "69". Straight-through design and full-length separation are built-in advantages for big capacity . . . clean grain. With engine or PTO drive, 69-inch cut header or quick-attaching windrow pickup.

It's the *extra* bushels—the bushels you didn't *expect* to get—that pay you best! One wind-battered, weed-infested field is all you need to prove the crop-saving performance of an MM Harvestor. For these are the combines only Minneapolis-Moline could build, with a 70-year threshing tradition behind them! MM Harvestors are built to get all the crop economically, whether the stand is light or extra heavy—down or up.

This year, pay yourself a harvest bonus. Pick the Combine that makes every crop yield more, every bushel cost you less. Pick MM Harvestors—performance leaders unsurpassed!

MINNEAPOLIS-MOLINE MINNEAPOLIS 1, MINNESOTA

UNI-HARVESTOR

For Champion Uni-Farmor Performance

Powered and propelled by the MM Uni-Tractor, this Uni-Harvestor gives you self-propelled operation *with* famed Harvestor performance. The same Uni-Tractor mounts Uni-Farmor machines for forage chopping, windrowing, corn husking and corn picking-shelling. With 9-foot header or windrow pickup.

G-4 HARVESTOR

All-Time Favorite In the 12-Foot Size

Big capacity, light weight, and outstanding performance make the G-4 Harvestor the all-time biggest seller in the 12-foot pull-type size. All-steel auger conveyor, exclusive MM "full-width" cylinder feed, 3,520 square inches of separating surface mean big capacity . . . clean grain.

Clip out and mail for Harvestor facts

MINNEAPOLIS-MOLINE Dept. 45
MINNEAPOLIS 1, MINNESOTA

I'm interested in buying an MM Harvestor for my farm. Please send me, without obligation, complete information on the Harvestors checked below. I farm _____ acres.

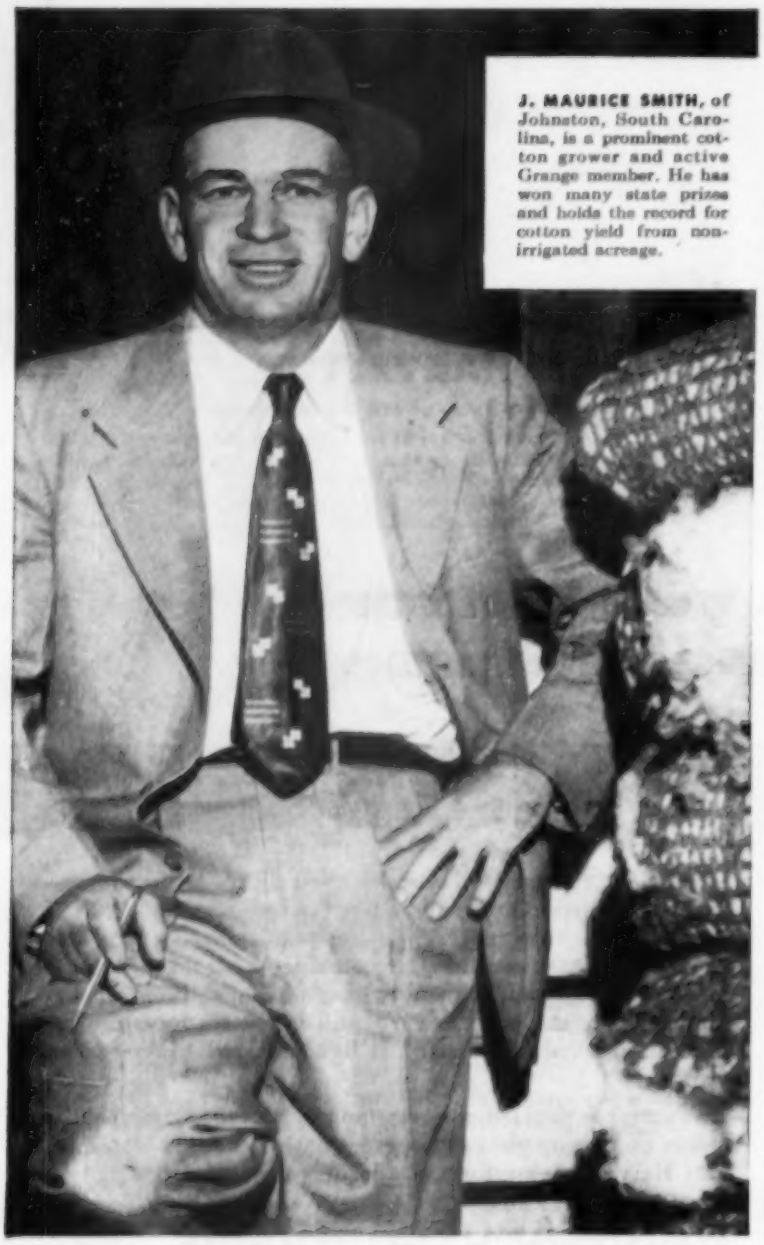
( ) SP-168 SELF-PROPELLED ( ) HARVESTOR "88" ( ) UNI-HARVESTOR
( ) HARVESTOR "69" ( ) G-4 HARVESTOR

Name _____

RFD _____ Box _____

Post Office _____ State _____

WHEN YOU ADD MM



J. MAURICE SMITH, of Johnston, South Carolina, is a prominent cotton grower and active Grange member. He has won many state prizes and holds the record for cotton yield from non-irrigated acreage.

"LUCKIES TAKE THE PRIZE WITH ME!"

"Ever since I first started smoking, about twenty-three years ago, Luckies have been my choice," says J. Maurice Smith, one of South Carolina's leading cotton growers. *"They take the prize with me . . . they always taste better."*

Luckies taste better for excellent reasons. First of all, Lucky Strike means fine tobacco. Then, that tobacco is *toasted* to taste better. *"It's Toasted"*—the famous Lucky Strike process—tones up Luckies' light, mild, good-tasting tobacco to make it taste even better . . . cleaner, fresher, smoother. So, Be Happy—Go Lucky. Enjoy the better-tasting cigarette . . . Lucky Strike.

LUCKIES TASTE BETTER

Cleaner, Fresher, Smoother!

©A.T.Co. PRODUCT OF *The American Tobacco Company* AMERICA'S LEADING MANUFACTURER OF CIGARETTES

Leaves on this corn stalk show evidence of corn borer feeding. Chemical control pays off if 75 percent of the plants in your cornfield look like this.

Borers are early this year

Watch for 'em! Use DDT spray when 75 percent of plants show leaf feeding

THERE'S a good chance that corn borer moths are on the wing in your area.

Warm weather has pushed borer development in Iowa and Illinois up—about two weeks ahead of average.

But those early borer moths aren't likely to be big troublemakers. Chances are good that they'll lay eggs on weeds, garden crops and oats—where baby borers can't do much harm. Or they might lay eggs on corn too small to be damaged by newly hatched borers.

Borer eggs hatch in five to seven days—depending on weather. And studies have shown that baby borers usually die when hatched out on small corn. Chemical control isn't recommended unless corn is at least 35 inches in extended height.

But don't place any bets that all the borer moths will be thru laying eggs before corn reaches the susceptible stage. Corn borer experts at Iowa State College say there's no evidence yet that all the moths will be ahead of corn growth.

So that brings you right back to proven advice concerning corn borers. Watch your corn fields. Be ready to spray if necessary. Especially if you have early-planted corn.

One and one-half pounds of DDT spray per acre is the recommended chemical control for corn borers.

When should you spray? How can you be sure treatment is necessary?

Experience shows that it pays to spray when 75 percent of the plants in a field show evidence of leaf feeding by borers.

The young borers head for the whorl of the corn plant to feed. As the leaf grows out, it'll have a "shot-holed" appearance. (See the picture above.)

Or you can spray 10 to 14 days after the first borers hatch—provided there are 50 egg masses per 100 plants in the field.

So it's a good idea to count both egg masses and plants that show evidence of leaf feeding. And spray when either method indicates that enough borers are present.

One spraying probably will do the job on the average field of corn, says Dr. Harold Gunderson, extension entomologist at Iowa State College. But if heavy egg laying continues, repeat treatment seven to 10 days later.

The second application usually doesn't pay off so big as the first. But there are times when it's well worth the cost.

Another suggestion: Leave a check strip when you spray for borers.

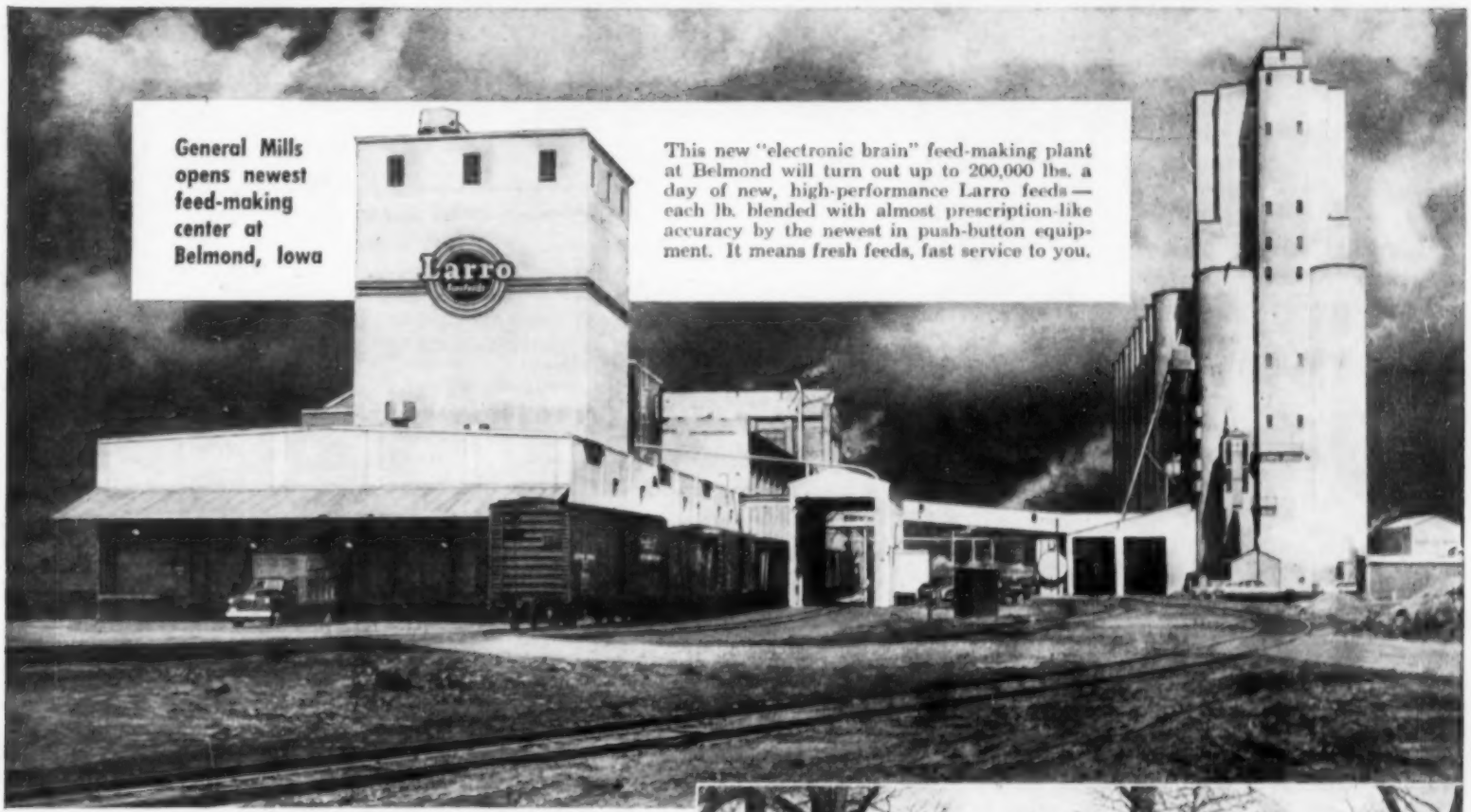
Why? For your own satisfaction. Unless you have a check, you may think that spraying did no good.

Take the experience last year at the Western Iowa Experimental farm in Monona county, Iowa, for example. After spraying with DDT, the farm manager found an average of two live borers per stalk. Still a lot of borers in the field.

But the untreated check strip averaged 20 live borers per stalk.

Proof showed up at harvest time when the untreated corn yielded only 59 bushels per acre. While the corn that had been treated for borer control turned out a whopping 115 bushels per acre. That kind of a yield increase pays for a lot of DDT!

New bag and bulk feed service through Larro SureFeed dealers!



General Mills opens newest feed-making center at Belmond, Iowa

This new "electronic brain" feed-making plant at Belmond will turn out up to 200,000 lbs. a day of new, high-performance Larro feeds — each lb. blended with almost prescription-like accuracy by the newest in push-button equipment. It means fresh feeds, fast service to you.

FRESH, potent Larro SureFeeds — formulated in Iowa for Iowa feeding conditions — are now available in bag and bulk through your Larro dealer.

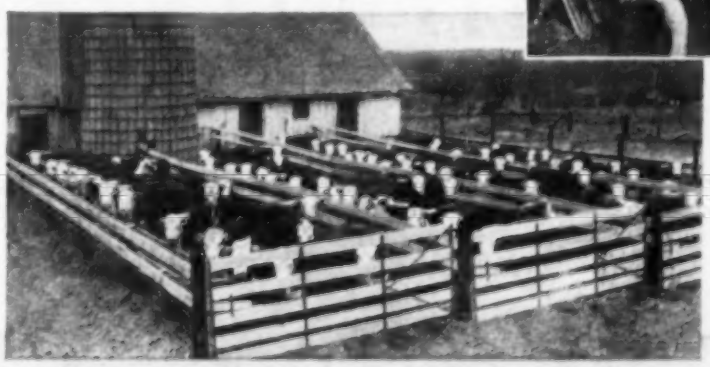
This means fast delivery to your feedlot of these nutritionally powerful, research-proven feeds in 50- and 100-lb. bags . . . or in bulk.

If you feed 20 or more cows, farrow 20 or more sows a year, keep 1,000 or more birds in your poultry flock, you can profit from Larro's labor-saving, money-saving bulk service . . . as demonstrated by so many feeders in other areas.

General Mills already is supplying Iowa Larro dealers with plans for this new bulk-feed handling. With this service you can all but forget many of your time-consuming feeding chores and substantially cut your feed bill. "Factory-fresh" feeds — in pelleted, crumbled, mash or cubed form — delivered by Larro dealers to your bins and self-feeders, or to bins which your dealer can readily arrange for you.

Even if you have never before seriously considered bulk feeding, it will pay you to get details now from your Larro SureFeed dealer.

New feed-proving farm at Indianola —Steers already are on feed at General Mills' new research farm, as Larro scientists continue their advanced work on Stilbestrol feeding. This new, 1,100-acre research farm is the largest of its kind in existence today.



New bulk-feed savings—The time, labor and money saved by Larro's bulk-feed plan has been widely demonstrated by feeders in other areas. Opening of the new Belmond feed center will now make these savings available to you.

You're money ahead when they're Larro-fed!

SPRING FEEDING SPECIALS FROM LARRO

FOR POULTRY

SPECIAL OFFER — Larro Hanging Feeder with Larro SureLay

Ask for this egg-boosting combination from your Larro dealer now! The specially designed Larro Hanging Feeder is easy to fill; doesn't interfere with poultry house cleaning; helps prevent feed waste. New Larro SureLay helps develop maximum laying power in pullets . . . and helps keep layers in full production.

FOR CATTLE

Larro SureCattle with Stilbestrol

Boost feeding profits. New Larro SureCattle with Stilbestrol provides extra benefits in every bag — thorough distribution of Stilbestrol throughout every pound of supplement, plus a scientific blend of proteins, minerals and vitamins that cattle need to gain and fatten their best. Watch for latest Stilbestrol information from the new Larro Research Farm.

FOR HOGS

Cadmium Hog Wormer Mix

This new Larro medicated feed is a safe, easy way to rid your pigs and hogs of roundworms. It's a complete feed ration. Just switch from regular feed to Larro Cadmium Wormer Mix for three days . . . in drylot or pasture. You reduce risks with this new Larro wormer. It's completely safe and ready for use. Contains no sodium fluoride. Costs only a few cents per pig to feed.

GENERAL MILLS
Minneapolis 1, Minn.

DOW

ESTERON 99

MAKES A BIG DIFFERENCE IN FARM WEED CONTROL

Versatile Dow product kills weeds... at lower cost... in corn, small grains, pastures

Since its introduction last year, Esteron® 99 is continually proving that there is a *big* difference in weed killers. Farmers have found that Esteron 99 will do more than one job around the farm and do these jobs well. Use this great 2,4-D product in your corn, wheat, barley and other grains. Use it to clean up your pastures and roadsides. You'll see the *big difference* it makes in getting rid of hard-to-kill weeds. You'll also see the *big* difference it makes in your yields and your profits. Esteron 99 is an important advancement in farm weed control—because pound for pound it *costs less* to do a *better job* than old fashioned 2,4-D formulations.

Ask your Dow dealer for up-to-date information and recommendations on Dow's *new type* weed killer—Esteron 99—or write THE DOW CHEMICAL COMPANY, Agricultural Chemical Sales Department, Midland, Michigan.

you can depend on DOW AGRICULTURAL CHEMICALS DOW

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Pasture cuts cost of beef gains. Delays marketing, too, unless you full feed. So price outlook is part of basis for management decisions.

Pasture for your beef cattle?

Here are things you will want to watch when you turn beef cattle on pasture

NOW that many beef cattle are out on pasture, management problems for them may have changed. But there's still plenty of work and thinking to do.

Cattle need plenty of clean water available at all times.

It is best to have some shade in the pasture, too. But some folks get by without it.

Consider fly control, too. Fly control chemicals and a sprayer can make cattle a lot more comfortable. That should add up to greater summer gain.

Watch out for bloat on pastures containing a high percentage of legumes. Takes a lot of profit to pay for one dead steer.

Keep salt out for cattle, too. Whether loose or block form isn't too important.

You'll want to check fences frequently. Cattle that keep getting out make you mighty unpopular with the neighbors. There's risk of injury to a valuable animal each time one gets thru a fence.

Cattle on pasture need to be checked frequently.

Overstocking pastures keeps forage short. That's hard on plants. And it makes cattle work harder for what they get to eat.

In Iowa tests, controlled grazing was compared with continuous grazing. Controlled grazing gave more beef per acre, higher daily gain and a greater profit margin.

Some farmers stock bluegrass pastures heavily in the spring. Then they shift to a legume-grass mixture when bluegrass gives out.

Frank Naughton of Iowa county, Iowa, put steers on bluegrass. But they'll go to alfalfa-brome later on. Then into stalk fields before going on full feed.

"We want to put a lot of roughage into the steers to get cheaper gains," says Naughton.

Whether or not to feed grain along with pasture is another decision to make.

Earl Corbin of Poweshiek county, Iowa, turned his cattle on pasture. They were in good flesh. So he has them on full feed of ground ear corn and supplement with stilbestrol. He's trying to hold down labor by using self feeders.

He says, "I hope pasture will help keep cost of gain down. At the same time, I want to put finish on fast so cattle can go to market sooner."

Suppose you decide to feed on pasture.

For cattle on grass, shelled corn is best, say Illinois experts.

After the middle of June, you will want to feed about a pound of protein concentrate per head per day. The amount should be gradually increased up to two pounds as pasture becomes more mature.

One experiment showed a boost from stilbestrol for cattle getting grain on grass. But just what stilbestrol will do for cattle getting only pasture is still unknown. Further testing is underway.

For animals on pasture with a high percentage of legumes, ground ear corn may be better than shelled corn. You can get by with less supplement, too.

You can handle steers several different ways. Choose which ever fits your set up and looks profitable.

For heifer calves, the decision is easier. They need grain while on pasture. Otherwise, they tend to become "cowy" in appearance and rate a discount at market time.

Hogs and Cattle

BY WALTER J. LEEDS

Keep that Creep-20 start in "stretch-out" period ahead

THERE are 620,681 ways to raise hogs—and they're all different!

Sounds like a lot, doesn't it? But that's the number of farmers with pigs, and every one of them has his own special way of producing pork.

And for each of these farmers, his way is the best way. It fits best with the size of his farm, with the crops he grows, and with his available housing.

That's why very few farmers will agree on any one best way to raise hogs. But there's one thing all successful hog raisers will agree on: Good feeding pays off.

If you've been feeding your Spring pigs Creep-20—Nutrena's master pig starter—I know you'll agree. You've seen how your baby pigs love Creep-20 . . . how Creep-20 helps fight scours . . . and how Creep-20 helps build big, husky pigs in eight weeks or less.

Yes, you know from first-hand experience that good feeding pays off in the early weeks. And if you are getting ready now to switch those big, thrifty pigs from Creep-20 to a supplement and grain, consider this:

The rewards for good feeding don't have to end when you switch from a pig starter to a supplement and grain. Good feeding pays off all the way to market. And it's especially important during the "stretch-out" period just ahead. The "stretch-out" period is the time when young shoats stretch out their frames and lay on firm layers of meat.

To meet the important nutritional needs of this period, Nutrena scientists designed a supplement with a special blend of "stretch-out" nutrients. It's called Shoat-40. And when I tell you about Shoat-40, you'll know why it's the logical next step to help you cash in on that good Creep-20 start.

First of all, Shoat-40 is a full 40% protein. That's important when you come to figuring the amount of supplement you'll need with your grains. Even more important is the *kind* of proteins the Nutrena folks use in making Shoat-40. In Shoat-40 a combination of animal and vegetable proteins is blended to give your shoats a scientifically correct balance of body-building amino acids.

And to unlock the full "growth-power" of these powerful proteins, Shoat-40 is stepped-up with a new balance of vitamin B-12, niacin and riboflavin, plus growth-promoting levels of antibiotic.

Of course, shoats in the growing period also need minerals to build big, strong frames. So along with vitamins and antibiotic, Nutrena scientists have added all of the vital minerals known important to growing shoats. With Shoat-40 you don't have to buy and feed extra minerals and vitamins. Nothing else is needed but Shoat-40 and grain.

Creep-20 to Shoat-40 — it's Nutrena's program to help pigs hold early gains and keep growing fast at low cost.

Yes, it pays to follow through on the good feeding program that you started with Creep-20. So see your Nutrena dealer this week. Let him show you how little Shoat-40 you need to turn corn into pork fast in the important "stretch-out" period just ahead. (Advertisement)

ACP funds not used up

Still time to apply for federal help in paying for conservation

IT'S NOT too late to apply for federal cost-sharing funds under the 1955 Agricultural Conservation Program (ACP).

Maybe you'll want to build some terraces or dams for erosion control this fall, renovate some pasture, do some drainage work or carry out some of the other conservation practices that are eligible for cost-sharing under ACP.

If so, there's a good chance that you can get the government to pay part of the cost. That's if you make application soon at your county ASC office. And if you meet the eligibility requirements which ASC office workers will explain.

Funds for additional cost-sharing are available in many of Iowa's counties. The state ASC office reports that about 85 percent of Iowa's ACP funds had been committed by May 1.

Some counties have committed all of the cost-sharing money that was allotted to them. But even in those counties, you have a chance to get cost-sharing help by applying soon.

That's because some farmers who already have cost-sharing approval usually fail to complete the approved practice.

Sometimes they are granted an extension of a certain period of time beyond the expiration date in which they can complete the practice. But in other cases, the money which was set aside to help pay for the conservation practice goes back into the county ACP fund. And it can be used to help some farmer who will complete an approved practice.

Cross-compliance still is required to be eligible for cost-sharing under ACP. That means you must stay within corn and wheat acreage allotments to get federal cost-sharing on conservation practices.

It's possible, however, that proposed legislation may alter the cross-compliance requirement. In fact, the state ASC office says that some farmers who have overplanted their allotments are making application for ACP funds on the assumption that the cross-compliance requirement will be knocked out.

Then, if the proposed legislation is passed, those farmers will be in line for cost-sharing funds. If not, they'll have to comply with allotments or get along without cost-sharing funds.

Suppose you've overplanted your corn allotment. You still have a chance to comply. Here's how. Destroy the extra acreage by disking or plowing before August 5.

You can comply with your wheat allotment by using the overplanted acreage for pasture or by plowing it under. If you have fall wheat, the compliance deadline is June 1. For spring wheat, the deadline is June 10.

Those compliance dates are for Iowa. They may be slightly different from the dates in other Corn Belt states.

Most county ASC committees this year are making a decided effort to see that ACP funds are used to assist farmers with "most needed" practices.

As a result, cost-sharing approvals this year are averaging about $125 each—enough to give the individual farmer a big boost in carrying out his conservation practice.

Another movable house . . .

After trying various kinds of movable hog houses, Fred Brueck of Story county, Iowa, developed this version. It's seven by seven feet with one side that can be opened completely for shade and summer ventilation. Smaller door at side is used by sow in cold weather. Door in top permits checking sow without disturbing her.

Works hard all week... and really shines on Sunday

The Bel Air Beauville—one of five new Chevrolet station wagons for 1955.

EVERYTHING'S NEW! New ride, new performance, new styling. New Sweep-Sight windshield and four-fender visibility—new suspension front and rear — new High-Level ventilation — tubeless tires at no extra cost. All power helpers available as extra-cost options on most models. See your Chevrolet dealer soon for a demonstration. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

SO HANDSOME and handy *both!* Rear seat cushion and back rest fold flush with floor to provide nearly 11 inches more cargo space. Choice of 2 doors or 4, new "Turbo-Fire V8" (with 162 h.p.) or two new "Blue-Flame" 6's, Powerglide or Overdrive (extra-cost options), or a new and finer Synchro-Mesh transmission.

The *motoramic*

Chevrolet

More than a new car...a new concept of low-cost motoring

it takes
QUALITY PORK
to make a real
ham...

it takes
LASSY®
hog feed to make
QUALITY PORK!

For quality pork, feed a quality feed. You know that the price of hogs is governed by the demand for pork on the table . . . and the price you get on your hogs is governed by how acceptable your hogs are for that purpose. If your hogs are properly fed on the Lassy Complete Hog Feeding Program they're bound to gain fast and grow into the type hogs that bring you top prices — hog feeders all over the midwest have proved it. You can prove it too — start feeding Lassy Hog Feed today!

"I GET RESULTS WITH LASSY HOG FEEDS! I have been on the Lassy Complete Hog Feeding Program for several years. My pigs start eating earlier and gain faster at less cost. I now have 222 five week old pigs from 23 sows, which is an average of 9.6 pigs per sow. I feed my sows on Lassy Pig 'n Sow Supplement and my pigs on Nurse Lassy. My fat hogs weighed 260 to 270 pounds at six months of age. The reason I feed Lassy Hog Feeds is because I get results."

Lloyd Rowland
Iowa City, Iowa

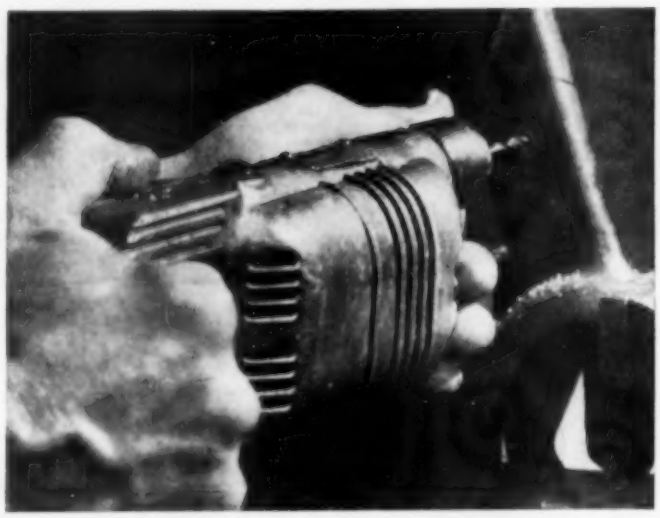
see your
LASSY®
dealer
right away

SCHREIBER MILLS, INC.
St. Joseph, Missouri

Bolt breaks off: How many times has this happened to you, and usually when you're in a hurry. The pictures below show an easy, quick way to remove headless bolts without damaging piece you're working on.

How to remove broken bolt

Tool called "easy-out" does the trick



First step: Drill hole in recessed bolt, using drill about half the diameter of bolt. The depth of the hole should be at least half the length of the bolt fragment you wish to remove. Make sure you drill the hole in the center of bolt.

Second step: Use tool called an "easy-out." This tool has reverse threads. You turn it into hole in bolt in a counterclockwise direction, indicated by arrow. As the easy-out bites into the bolt, it turns it out.

Visits with your vet

Recommended Room For Turkeys

A survey of turkey experts came up with these recommendations for space requirements for poults:

1. Hover brooding — a minimum of 12 square inches per poult.
2. Battery brooding—25 square inches per bird.
3. Confinement in brooder house—one and one-half square feet per poult thru eight weeks of age.
4. Sun porch—one square foot per bird. Not more than 300 birds in one unit.

TGE Is Quick Killer

A number of hog raisers this spring had trouble with a baby pig disease called tranmissible gastro-enteritis, or TGE.

On one farm, 100 pigs were lost in 48 hours. These pigs were less than a week old.

TGE is caused by a virus and will affect pigs of all ages. But it is highly fatal to pigs under one week of age.

Symptoms are watery diarrhea, vomiting, and severe dehydration. Baby pigs will die in a few hours after the disease hits them. The disease does hit older pigs and produces similar symptoms. But symptoms in older pigs subside in three to 10 days.

TGE is highly contagious. It can be spread from herd to herd by footwear and clothes. Neighbors should be kept away from hog lots where this disease exists. Strangers should not be allowed in your hog lots.

Where TGE has been seen in pregnant sows, their litters, in many cases, have picked up some resistance to the disease. So sows which have been exposed to the disease should be kept for future breeding because of the protection passed on to the nursing litter. However, the length of this protection is not known.

If an outbreak of TGE occurs on your farm, move sows that have not yet farrowed to another building. A break of six to 10 weeks between farrowings has shown on most farms to be safe following an outbreak

As yet, there is no cure for TGE and no vaccination.

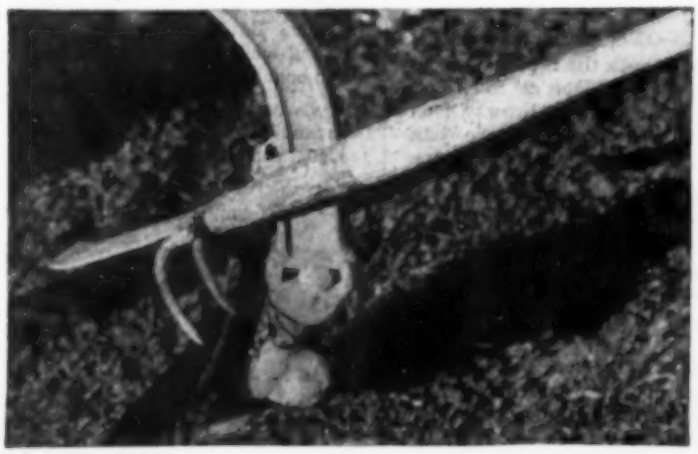
Health Tips For Spring Pigs

1. **Provide** anemia preventives the first few days.
2. **Castrate** at 10 days.
3. **Vaccinate** for erysipelas if needed. This is one of the greatest swine disease problems.
4. **Vaccinate for cholera** when pigs are over six weeks of age.
5. **Raise hogs** on clean pasture or clean concrete. Don't raise hogs if you have to raise them on disease-infested lots.
6. **Look at** your hogs twice a day.

Six Ways To Lose Money Milking

1. **Mastitis:** Leave infected cows in the herd. Milk cows without disinfecting teat cups between cows. Leaving milk machine on after milk flow has stopped.
2. **No records:** Lack of production or breeding records keeps you happy. You don't know the money losers.
3. **Poor feed or no feed:** Short cows on grain. Poor rations are keys to unprofitable dairying.
4. **Disease:** Scours, brucellosis, foot rot, parasites—all can be prevented. Ignore these problems, and out goes the profit.
5. **High bacterial count and off flavors:** Forget about sanitation while milking; feed silage just before milking; let the cows pasture on wild onions or garlic. Then city consumers will drink something else.
6. **Poor markets:** Don't promote your products. Forget about finding new markets.

Handy cultivating tool...



Weeding tool shown fits into rake or hoe handle. Art Hudachek, Muscatine county, Iowa, carries it with him when he cultivates corn. He uses it for cleaning shovels, cleaning vines from shanks and uncovering corn without stooping over. Made from a piece of leaf spring and two teeth welded to a tang that fits into the handle.

it takes
QUALITY BEEF
to make a real
steak...

it takes
SWEET LASSY®
to make
QUALITY BEEF!

Steak is a favorite — and Sweet Lassy has been a favorite of beef producers for more than 30 years. Both mean quality beef. Sweet Lassy also means faster gains—lower feeding costs and wider margins. Sweet Lassy is packed with rich molasses sugars, choice proteins, minerals and other nutrients that your cattle need. No other supplement gives such big, fast, efficient beef gains. So put your cattle on Sweet Lassy today!

Purl K. Pearson
Mechanicsville, Iowa

"I GIVE CREDIT TO SWEET LASSY FOR MY SUCCESSFUL CATTLE FEEDING PROGRAM . . .

I had seventy five head of Hereford steers which were fed on a ration of corn, hay and two and a half pounds of Sweet Lassy daily. My average daily gains from western pay weights to Chicago weights were two and a half pounds a day. I feel that Sweet Lassy deserves credit in my successful cattle feeding program."

Available in range or bunk size pellets. Sweet Lassy is manufactured in 11%, 22% and 30% protein.

Now available with STILBESTROL

see your dealer for a supply

SCHREIBER MILLS, INC.
St. Joseph, Missouri

Regardless of the portable irrigation system you buy, make sure the pipe has this label.

ALCOA

More farms are irrigated with pipe carrying this label than any other brand.

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Pipe carrying this label is more widely available than any other brand.

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Only pipe with this label has been thoroughly tested by the greatest research laboratory in the aluminum industry—The Alcoa Aluminum Research Laboratory.

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Pipe with this label is made of a superior, heat-treated alloy that takes rough handling.

ALCOA

Pipe with this label has smooth inner surfaces that reduce pumping pressures.

The wholesalers listed below are authorized to sell Alcoa* Portable Irrigation Pipe in your area. Write or call today for the name of the dealer nearest you who will engineer a system tailored to your needs.

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"I'm supposed to be milking. What are you supposed to be doing?"

Outside stuff

FOLKS over in East Pottawattamie county, Iowa, have reconfirmed our judgment in naming Sam Rogers as one of the 1954 Iowa Master Farmer Award winners.

Since Rogers received the award a few weeks ago, his neighbors have honored and congratulated him at two community-wide gatherings. One, sponsored by the Hancock Community Club, was attended by managing editor Lee Thompson.

Feature of the program was a "This Is Your Life" skit—in which neighbors acted out some of the highlights in "Uncle Sam's" life.

• • •

USE of poison baits is one way to rid a field of gophers. But Charles M. Barton of Montgomery county, Iowa, says he has used a method which he believes is "simpler and easier."

"I have connected a piece of hose to the exhaust of my pickup, put the other end in the gopher runway and let the fumes go in there for a few minutes," Barton says "Result, no more gopher mounds to bother the mower."

• • •

REA is celebrating its 20th anniversary this week. Bet you can't name any other single thing that has had so much effect on farm living conditions.

• • •

SIXTY-ONE foxes so far this year! That's the record chalked up by Ralph Olson of East Pottawattamie county, Iowa. Olson says he has captured more than 600 foxes in the last eight years.

Major credit, says Olson, goes to his little fox terrier. The dog goes into fox dens and chases or drags the foxes out—even a mother fox with pups.

• • •

I'VE never seen the country look better in early May. Grasses and legumes grew fast in April's warm weather. But southern Iowa and northern Missouri farmers are worried.

Too warm and too dry for this early in the season, one farmer told me. Wonder what it'll be like in July and August?

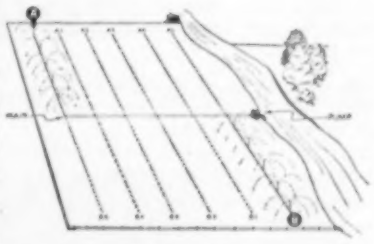
—Dave Bryant.

You Can Irrigate!

It has been estimated that 85% of Iowa farm land can be irrigated from rivers, streams, drainage ditches and reservoir ponds.

Do you have a piece of land that looks from the air like the layout below?

I have found hundreds of farms that have circumstances similar to the one below.



It's one of the simplest arrangements to irrigate. You simply locate your pump near the middle of the field, on the river bank. The main line goes from the pump in one direction, then the laterals are connected to the main where the water is forced into the risers and then distributed over the field. The lateral pipes are spaced 60 feet apart with the sprinklers 60 feet apart.

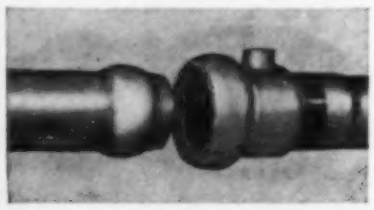
After your soil is tested for absorption rate and storing capacity, (this determines how long you leave the lateral in one position), you then move lateral "A" and "B" to new positions shown by dotted lines. You then keep right on moving down the field.

If you irrigate when the crop needs it, you can increase your yield at least 50%.

The cost is low, the results are high.

The company I represent, Corn States Hybrid Service, has in stock a complete supply of the famous Ames Irrigation Equipment, including the ABC self-locking coupler, that means easier handling, low labor cost.

If you want me to come out to your farm and go over the situation with you, just send me a postcard.



AMES

Corn States HYBRID SERVICE

1101 WALNUT STREET
DES MOINES 9, IOWA

Here's information on

Rabies

Does the word "rabies" send shivers up your back? Here's information from Dr. John B. Herrick, Iowa State College veterinarian, that'll help you understand this dangerous disease.

IN ONE week in Iowa recently, three youngsters were reported bitten by dogs. One dog was diagnosed as rabied.

This year, 57 cases of rabies have been reported in Iowa.

Here is a disease that is fatal to both animals and to man. Yet it is a disease that can be eradicated.

There is a great deal of misinformation about rabies. Superstitions and fear have built up thru the generations such fallacies as "dog days," and the idea that rabies is a rare disease.

Actually, rabies is quite widespread. All warm-blooded animals—not dogs alone—are susceptible. Rabies is a virus disease spread primarily by the bite of an infected animal.

Unfortunately, the animals which most often have the disease are roving animals likely to bite another animal and keep the disease spreading. Dogs, cats, and other fur-bearing animals are most frequently infected.

Recently, there have been many reports of rabies outbreaks in cattle, swine and horses produced by the bite of an infected skunk or fox.

It's not uncommon to hear of rabid skunks and other animals attacking livestock in broad daylight.

SYMPTOMS of rabies aren't always the same. They may be either the "furious" type or the "dumb" type. Strange actions, unusual roaming, eating undigestible material, foaming at the mouth, excitement, irritability, and hoarseness are all common symptoms.

But some animals may not show these symptoms. They may just appear "not well." They may show signs of paralysis or weakness and often infect humans who try to help them.

If you suspect an animal has rabies, do not kill the animal.

If the animal is killed in early stages of the disease, or if the brain is damaged in killing the animal, diagnosis of the disease is very difficult.

If at all possible, shut the animal up in a pen. Then call your veterinarian who will watch the progress of the animal. If the animal is alive and well for two weeks or longer, people who have been bitten won't have to take the series of anti-rabies shots.

If you have to kill the animal, try not to damage the head. Handle it with rubber gloves, and get the animal to your veterinarian as soon as possible for an accurate diagnosis.

IF YOU HAVE BEEN BITTEN, find out all you can about the animal's history and its recent actions. Try to lock up the animal as suggested above.

Then see your doctor for treatment of the wound and advice on anti-rabies treatment. Treatment has some danger for some persons, so treatment shouldn't be used unless there is a definite need for it.

You can help prevent rabies by doing the following:

1. Vaccinate all pets annually with anti-rabies vaccine.
2. Lock up, or destroy all stray and ownerless dogs.
3. Watch for strange-acting wild animals such as skunks, foxes and squirrels.
4. Be cautious in any attempt to treat sick livestock. They may be rabid.
5. Where there are outbreaks of rabies in wildlife, contact state wildlife conservation authorities and cooperate with them in control measures.

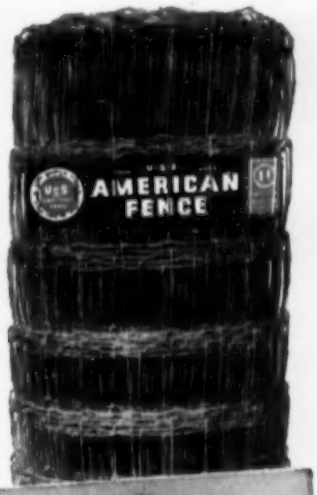
Sow "taxi"...

Movable hog house serves as a sow "taxi" on the Matt Bros. farm, Clayton county, Iowa. Sows can be moved to or from clean ground without excitement.

Here are three good reasons WHY:

There's more American Fence in use than any other brand!

"I don't know where you'd get better fence than American"
Hersil E. Scott, Huntington, Indiana



"My father used American Fence on his farm and I use it too. Some of it has been up as long as I can remember"
Guy A. Radcliffe, Wellington, Ohio

"My whole family uses American Fence. We find it's easy to stretch. It stays stretched tight, too"
Glen Thompson, Huntington, Indiana

America is full of farmers like these . . . men who have used American Fence for years and years . . . men who buy it again and again because they *know* from experience that they can depend on it to last.

Farmers favor American Fence for many reasons. One of its most popular features is the deep, rugged tension curve. Stretch American Fence tight, and it *stays* tight – the tension curve doesn't pull out at the first sign of pressure–through varying weather conditions it's there to keep the fence taut.

The line wires are soft enough to splice, yet hard enough to retain their tension curves. Stay wires won't slip, either. They are wrapped into secure hinge joints with the line wires at every intersection. And their heavy galvanized coating protects the full gauge wires from rust and corrosion in all kinds of weather.

Why take a lesser brand when you can get American Fence? Next time you visit your dealer–whether it be for steel fence posts, steel gates, poultry netting, or barbed wire–buy "American" brand. It's your assurance of years of economical, trouble-free service.

SEE The United States Steel Hour. It's a full-hour TV program presented every other week by United States Steel. Consult your local newspaper for time and station.

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UNITED STATES STEEL

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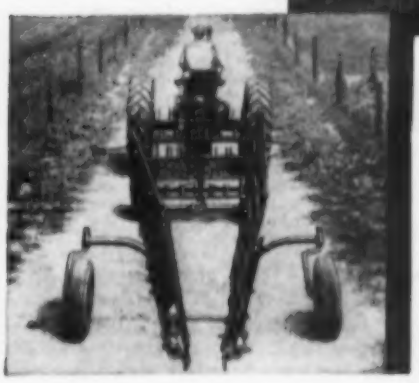
Quality built KEWANEE ELEVATORS offer you greater safety, ease of portability, the finest construction, and the fastest portable elevators built. Model 300 with 309 trailer truck available up to 50'.

KEWANEE ELEVATORS are grain tight. Easily portable. Big capacity. Never worry about overloading. A safer elevator—*the* quality elevator.

Modern tri-side strut construction makes the KEWANEE the most easily portable elevator built. A real, one-man elevator. Tri-side strut construction available for elevators up to and including 42' in length. Model 300-307 trailer truck.

KEWANEE JUNIOR. Available from 26' to 44'. Same high quality steel construction as the big KEWANEE ELEVATORS. Your best buy for a farm that has only a stationary elevator. Low priced.

Don't buy till you see the KEWANEE WHEEL-MOUNTED DISK in action. Heavier construction—rigid steel frame—keeps the KEWANEE in the ground. The KEWANEE is built of heavy, 3-inch, 6-lb. steel channel—welded to stay rigid. Compare KEWANEE construction to any other disk. KEWANEES are built better for better disking.



New, big, wide WHEEL-MOUNTED HARROW. Covers from 27½' to 42' in one trip across the field. Easily and quickly folds down to 7½' for transporting. Follows the contour of your fields better than any four-section harrow. Ask your KEWANEE dealer for a demonstration soon.

Kewanee Puts Farming on Wheels

Kewanee MACHINERY & CONVEYOR CO.
KEWANEE, ILLINOIS

Rural Route Ramblings

By R. F. D.

I CASUALLY remarked to a city carrier whom I shall call Coulter (altho that isn't what I'd like to call him) that this month of May makes four years since I started this, this, this . . . column?

"MY!" HE SAID enthusiastically. "That is really something! Just think of writing those thousands of words!" I was right in the middle of my bow, when he added, "And not saying one single, solitary thing!"

I WISH all my readers (both of them) would explain or solve or something that is a great mystery for me.

HOW CAN WASPS thrive so lustily in practically air tight mail boxes?

I KNOW THAT these little monsters can't dash out for a bite to eat and a breath of fresh air while the door is momentarily open for leaving or withdrawing mail.

BUT THEY MERRILY build all sorts of waspatoriums and seem to be very fat and sassy, especially sassy. I guess I should change my statement about their dashing out for a bite to eat.

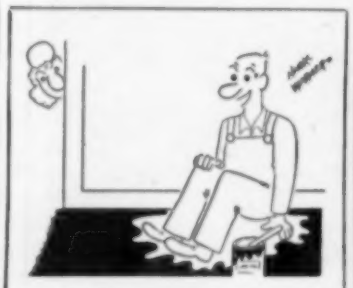
ACTUALLY, what do they live on or from? Besides me, that is?

WELL WE FINALLY saw the atom blast after trying and failing four or five times. Afterwards, I wished I hadn't seen it. They always give me the crawling creeps, and I look speculatively around the place for a good bomb shelter location.

HANDED A LADY her mail the other day, consisting of two papers, four magazines and five or six letters. Drove on down the road realizing something was wrong. It dawned on me and I almost drove off in the ditch. She hadn't said, "Is that all?"

BUT THAT is something we all do. Two days ago, I saw a man on a side road in the ditch and a tractor coming his way. "Stuck?" I asked. "Yeah," was his glum reply.

BEING TEMPORARILY out of light banter and gay repartee, I continued on my merry way, meditating on the fact that, thank goodness, most people are almost as silly as I am.



"Looks like you'll have to do the chores tonight, dear."

WEEDS Don't Stand a GHOST of a Chance...

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ATLACIDE—*the Safer Chlorate*: Kills bindweed, Canada thistle, other tough weeds and grasses. Destroys roots . . . discourages regrowth. Backed by over 25 years of good results.

ATLACIDE WITH 2,4-D: Offers dual killing action of chlorate and 2,4-D . . . particularly effective on Canada thistle.

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Fits M. M. Model E or John Deere No. 6. Can be adapted to fit any make corn sheller. Heavy duty gears and chain drive. Uses Tractor P.T.O. No slippage. Does top job economically.

HEAVY DUTY ROLLER MILL

Truck or Trailer Mounting. New! Run by power take off, motor or tractor belt. 4 sizes. Finest workmanship.

Write for literature and prices
HENKE MFG. CO., Columbus 5, Neb.

For more corn add nitrogen

In most cases it will pay off. Here's information on how and when to put it on

IF YOU don't get nitrogen on corn early, there is still time for side dressing.

Lack of nitrogen limits yields on many Corn Belt corn fields.

A soil test is the best way to tell how much nitrogen your fields need. But if you don't get a soil test, you can guess pretty close. Here's a rough guide on figuring your own needs.

Corn fields are almost sure to need some nitrogen unless (1) a good legume crop was plowed under, or (2) a heavy application of manure was made.

Second year corn ground and grass sod are sure to need nitrogen. About 30 to 60 pounds of actual nitrogen is the general recommendation.

If you have an average to poor stand, the lighter application should be the best bet.

If you have a good stand, the heavier rate may be more profitable.

Side dressing can be done from now until early July. Early application is favored. Putting nitrogen on after the middle of June is betting on late rains you may not get.

"Aim to have side dressing done by second cultivation," urges J. A. Stritzel of Iowa State College. "Later applications can be just as effective. But you have less chance of getting the rains needed to move the water soluble nitrate nitrogen deeper into the root zone."

Roots are pruned to the depth you apply the side dressing. So you have to count on new root growth in surface soil or movement of the fertilizer to deeper areas. Either one takes rain.

Some downward movement of nitrate nitrogen is desirable. That gets the nitrogen into soil that will be moist even during dry periods of July and August.

"Early application of the deep placed ammonia or ammonia-forming types of nitrogen may be important on heavy, level soils which tend to stay cool and moist. Under such conditions, nitrate formation is slow. And earlier application allows more time for formation of nitrate and its movement downward," points out Stritzel.

The form of nitrogen you use doesn't make much difference. Compare prices on basis of pounds of actual nitrogen. Some prices include application. So be sure to allow for that in making comparisons.

Side dressing can be done several ways. Some liquid fertilizers can be sprayed on the ground between the rows. Others should be placed in the soil You might want to hire this done. Same for anhydrous ammonia.

Solid forms of nitrogen are usually put on with side dressing attachment on the cultivator. Tubes carry nitrogen from the hopper and drop it behind one of the cultivator sweeps.

But suppose you don't have a side dresser and don't want to buy one.

The fertilizer attachment on your corn planter will do. Just straddle the corn rows with the planter, and drill in the nitrogen. It means an extra time over the field in a busy season. But it can save buying extra equipment.

With a little care, you can use a broadcast type spreader for side dressing. Just plug the holes over the row. And be careful not to drop fertilizer on the corn plants.

It doesn't matter where between the rows the nitrogen is placed. Halfway between the rows is just as good as closer to the row. And it may let you get by pruning fewer roots.

Most farmers who have tried side dressing like the results. But they may not like the extra time and work required.

Bill Wilson of Keokuk county, Iowa, says, "I've side dressed corn for about eight years It really pays off. I get three dollars for each one I spend that way."

Then he adds, "Broadcasting nitrogen ahead of planting may help weeds as much as corn. So I stick with side dressing in spite of extra time and work. It slows one cultivation down by about half. Makes hard work out of it, too." Most weed problems come when nitrogen is disked in instead of plowed under.

Wayne Stake of Iowa county, Iowa, says, "I've tried nitrogen both side dressed and broadcast before planting. I couldn't see any difference in the amount of yield increase."

"Big thing is get the nitrogen on. It doesn't matter which kind of nitrogen or how you put it on," he concludes.

A HUSBAND shouldn't mind doing the dishes for his wife if she helps him with the other housework.—Danbury Review.

"Halleluiah!
There's a Great Day Comin'"

Better Egg Markets are on the way!

They're coming back—higher egg prices, increased profits to egg producers this fall. It's your big chance to cash in. Keep your pullets doing their best NOW so they will develop into steady year-around-layers by early fall.

You can't afford to let your pullets just "loaf along" during the summer if you expect to have real "profit-makers."

IT TAKES ALL THREE:

GRAIN · RANGE · GOOCH'S BEST

You want to build big sturdy pullets with the stamina needed for lots of eggs all winter long. Experience has shown that grain and range, alone, can't do the job!

Pullets must have a balanced ration —with extra protein, vitamins, minerals and growth factors—if they are to develop into profitable egg layers. They get all these nutrition benefits in Gooch's Best Grower, enriched with improved GroLac.

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5. Higher Consistent All-Year-Round Egg Production

GOOCH'S BEST Grower is a farm grain balancer—the keystone that makes the tried and proved program of Grain, Range and GOOCH'S BEST work out so well.

ONLY 7 lbs. of GOOCH'S BEST Grower—along with grain and range —is all it takes to develop a 6-week-old pullet into a sturdy layer. And remember, the first dozen eggs she lays can pay for the Grower she eats.

NOTE: Continue to protect your pullets against Coccidiosis with GOOCH'S BEST Grower containing NFZ. When birds are 12 weeks of age, they should have acquired immunity and can safely go on GOOCH'S BEST Grower without NFZ.

Keep Your Pullets Growing!—Use Gooch's Best Grower with GroLac

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To increase the use of dairy foods through

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across the nation . . .

TELEVISION—*Disneyland*—reaching 45 million people a week. *Bob Crosby Show*—selling 7½ million people weekly.

RADIO—*Bob Hope Show*—over 8 million people a week.

MAGAZINES — Life, Look, McCall's, Ladies' Home Journal, Time, American Weekly, Sunset — advertising to almost 8 million readers a week.

in the State of Iowa . . .

NEWSPAPERS — Thursday night grocery ads in 500 Iowa Newspapers — reaching nearly 2 million Iowans a week.

RADIO — WMT — sales messages heard by about ½ million people weekly.

KBUR — broadcasts commercials heard by 17 thousand people a week.

TELEVISION — WHO-TV — Iowa Football Television Programs selling dairy products to thousands of viewers during the football season.

KVTV — spot promotion following the Disneyland program, selling 220 thousand people every other week.

SALES PROMOTION

RECIPE BOOKLETS — 100,000 recipe booklets — each recipe calling for the use of dairy products.

DISPLAY MATERIAL — eye-catching point-of-sale display material coordinated with the monthly promotions is made available to Iowa grocery stores and super markets.

ENCOURAGES RESTAURANTS AND HOTELS to make greater use of dairy products and advertise their use.

PUBLIC RELATIONS

HOME SERVICE PROGRAM — Several programs built around dairy foods are made available to organizations and communities without charge. Movies on dairy food subjects, plus recipe booklets and poster material are distributed to those groups plus home economics classes and county extension offices.

BETTER UNDERSTANDING of the dairy problems is encouraged by release of material to the press, radio and television.

PROVIDES SPEAKERS for service clubs and other groups.

EDUCATION

Representatives of Iowa's Dairy Farmers supervise nutrition education and promote the health benefits of dairy foods through doctors, dentists, nurses, county agents, schools and other organizations.

The use of dairy foods in weight reducing diets is extensively publicized.

Your set-aside dollar is spent to provide weekly educational television material to nine stations.

These are the major ways your set-aside dollar is spent to sell your dairy products. Many other smaller promotions and projects are continually being sponsored to increase the consumption of dairy products.

So, you can see why your set-aside dollars are important. They continue to make this complete advertising, sales-promotion, public relations and educational program possible, and in turn build your future security.

DAIRY FARMERS OF IOWA

Limit feed for your hogs?

It won't pay, say the experts, even tho you turn out a leaner carcass

YOU CAN feed your hogs to produce a leaner carcass. But chances are it won't pay.

Experiments all thru the Corn Belt show that limiting feed can make lardy hogs produce a meatier carcass.

In fact, limited feeding would be the quickest way to general production of meat type carcasses for most hog producers.

Limited feeding is more than just raising hogs on pasture. Hogs full fed on pasture produce about the same amount of fat as hogs on concrete.

A pig needs to be well fed on a ration balanced in protein, minerals, vitamins and energy. Most of the feed goes for rapid growth of bone and muscle. Not for fat. But when the pig reaches about 125 pounds, more of the feed is converted to fat and less to bone or muscle.

After this point, many full fed hogs convert feed to fat so fast they develop a desirable finish long before they reach market weight.

So that's the point where limited feeding comes in. Reducing amount of feed cuts the amount converted to fat. And the result is a carcass with more lean meat.

Limited feeding usually lets you get by with less feed. In one test, a 23 percent cut in feed reduced rate of gain by 18 percent. But feed saving amounted to about six percent.

In Missouri tests, 85 percent of full feed gave an increased efficiency. But 65 percent of full feed gave less efficient use of feed.

Limited feeding brings up a number of problems. Missouri tests showed limited fed hogs produced a lower quality carcass. That's because meat was softer even tho there was more lean. In some tests, total carcass yield was reduced tho the yield of lean meat was higher.

Limited feeding takes more work, too. L. E. Hanson, University of Minnesota swine specialist says, "What you save on feed, you lose in the extra labor required."

There's greater risk of death loss and price drop, he points out. That's because hogs on limited feed take longer to reach market.

If hogs are limited to 80 or 85 percent of full feed, they will take about three to four weeks longer to reach slaughter weight, thinks Hanson.

L. N. Hazel, Iowa State College swine specialist says, "Limiting feed to about 90 percent of full feed increased time to reach market weight by about two weeks." That agrees closely with Hanson's results.

"Limited feeding pigs in large groups has special problems. Some pigs will get more than their share. As a result, they are practically on full feed. And the timid pigs are more limited than you intended. This adds up to greater variability in growth rate and more runts," Hazel adds.

Swine specialists aren't enthusiastic about limited feeding.

Hanson says, "The difference in type of pigs to start with is

(Continued on next page)

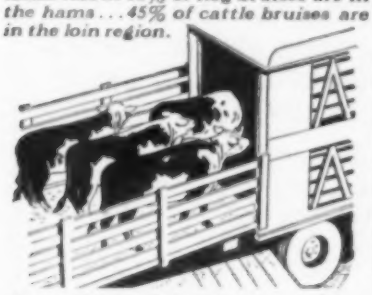
PAW TUCKER—Tongues wag over Ma's new dress!

WHAT'S YOUR SHARE of this $50,000,000 loss?

by Henry Arthur

ENOUGH livestock are bruised, crippled or killed every day on their way to market to feed half a million people. This represents an annual loss of 50 million dollars to you, the producer.

Unfortunately bruising most often occurs in areas from which the expensive cuts are taken. *About 51% of hog bruises are in the hams . . . 45% of cattle bruises are in the loin region.*



Losses often result from improper loading. When driving animals, use a canvas slapper instead of poles or canes. Remember, even a slight kick may seriously bruise the ham of a hog.

Serious bruising is also caused by broken boards, protruding nails and bolts or crowding animals against sharp corners.

Use a good chute and don't hurry the stock. If mixed loads are being shipped, partition the truck. A sand base truck bedding will provide better footing. In winter, place straw on top of the sand and protect the animals from drafts. Drive carefully, avoid sudden stops, and check your load occasionally.

Bring your livestock to "top price" market condition with Minnesota 36% Linseed Meal or pellets. It contains 2 pounds more protein in every sack. Your dealer has it or can get it for you now!

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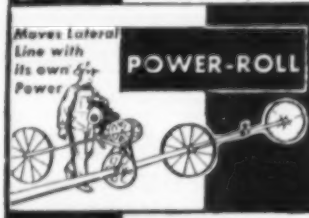
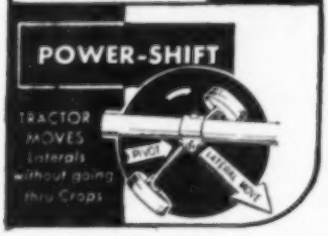


POWER-SHIFT



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When writing to advertisers, will you please mention this paper.

"Every time I try to milk her she swishes me with her tail."

Get meat type thru breeding

(Continued from last page)

a lot more important than the kind or amount of ration fed."

W. L. Robison of Ohio State University says, "Limited feeding can make fat hogs produce a better carcass. But price at time limited-fed hogs are marketed is the fly in the ointment." Often, the earlier hogs reach market, the better the price they bring.

Hazel says, "Limited feeding can be expected to make a profit only under unusual conditions. Tho it does produce a better carcass, it is doubtful if farmers could get any higher price by limiting the feed. So why should they go to the extra trouble?"

So limited feeding doesn't seem to hold an answer to the problem of excess lard. At least, under the present marketing system. Best solution lies in the breeding herd. The experts agree on that.

Hazel says, "If you start with lard type hogs, limited feeding improves the carcass. But if you have meat type hogs, limited feeding would make little difference in the carcass."

"So our approach has been from the breeding angle. We are trying to get pigs that will produce a meaty carcass at market weight even on a full feeding program," he adds.

Robison agrees. He says, "By careful selection and breeding, it is possible to self feed hogs and still produce a meat type carcass. Particularly, if a rather bulky ration is used beyond the 140 pound weights."

Hanson says, "I can't see much extra profit for the farmer in limited feeding. The approach should be in selection and breeding. Then it is possible to have fast gaining hogs with good carcass quality."

First Aid Helps Bloated Cows

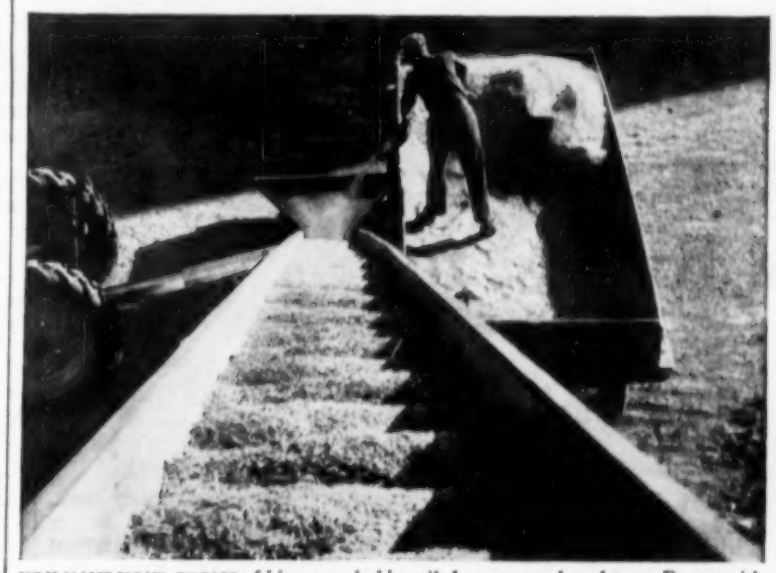
Knowing what to do for a bloated cow until the vet arrives may save the cow.

Here are some simple first aid measures suggested by Dr. G. T. Woods, Illinois College of Veterinary Medicine:

Tie a short stick crosswise in the cow's mouth, and secure it with a cord over her head. As the cow chews on the stick, a flow of gastric juices may slow the formation of gas.

Lubricate a short length of one inch hose, and slip it down the cow's throat. Or you can get a special bloat drench from your vet to keep for bloat emergencies.

THIS NEW IDEA ELEVATOR has an inside width of 17½ inches, big enough to handle regular or round bales, or big gulps of grains. The trunk is box-crimped, the entire elevator suspension is bridge trussed for permanent non-sagging rigidity. Centrally fastened flights prevent tilting.



YOU HAVE YOUR CHOICE of big, non-choking tilt hopper, or shovel-type. Power with gasoline engine, electric motor, or PTO. The worm-gear winch makes positioning safe and easy. Lengths range from 26 ft. to 36 ft. with short truck; from 34 ft. to 50 ft. with long truck in 2 ft. stages.

Pays for itself in one or two seasons!

New Idea elevator breaks bottlenecks caused by inefficient elevating equipment

On many farms expensive machines too often lie idle in the fields, while inefficient elevating equipment slows down crop-handling at loft or crib.

Replace outmoded elevating methods with a portable, many-purpose New Idea elevator, and break this harvest-time bottleneck. A New Idea will handle round or square bales, ear corn or small grains and deposit them in bin or loft as fast as a man can unload.

In a single harvest season, many farmers have found, a New Idea elevator will pay for itself in saved time and labor alone. It lifts tons of materials directly and quickly with very little effort by the operator. Its lifetime, heavy duty construction is assurance against costly breakdowns and repairs.

See it at your New Idea dealer's

Have him demonstrate the New Idea elevator best suited to your farming operation and your buildings. Ask him for the location of nearby farms where you can see it in action. Our guess is that, once you've examined a New Idea, you'll never be satisfied with any other!

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Your dog may not be this helpful, but chances are good he's the most versatile and loyal hand on the place.

Dogs work for a living, too

Are you giving your dog the nutrition he needs?

That dog of yours, who is a playmate of your children, who guards your farm, who helps bring in the stock . . . but most important . . . who thinks you're wonderful, may actually be starving for vital nutrients if you're feeding him table scraps.

You wouldn't think of feeding your livestock a skimpy, hit or miss ration. And table scraps just can't do a good job of feeding that dog of yours—any more than slops and acorns can for hogs.

The folks who make Nutrena livestock and poultry feeds know this. They've studied the needs of active, hard-working farm dogs and come up with a complete balanced ration for dogs that is economical and easy to feed.

Contains Livium

You've probably fed livestock or chicks on Nutrena feeds, so you know how important Nutrena's Livium can be. Well, Nutrena Dog Food is stepped-up with a special Livium for dogs to round out a completely balanced combination of nourishing, health-producing ingredients.

Guaranteed eat-appeal

Your dog will love Nutrena. It contains Nutrena's new appetite ingredient called "Silent Scent." You can't smell it . . . but your dog can . . . and it smells so good he'll eat Nutrena Dog Food eagerly. Nutrena is so sure of this they guarantee either your dog will eat Nutrena Dog Food on the very first serving or money back.

You'll never have a better friend or harder worker than that dog of yours. Don't make him just exist on a diet of scraps when he can be a healthier, happier dog on Nutrena Dog Food.

Let your kids feed the dog

Nutrena is so easy to feed even a 5-year-old can do it. Nutrena Nuggets are ready-to-eat right from the bag. Your dog can even feed himself, so what could be easier and quicker? Meal and Kibbled need only water added. Ask your Nutrena dealer for Nutrena Nuggets, Meal or Kibbled Dog Food. We suggest you feed all three for variety.

To be sure that even finicky eaters will eat the kind of balanced ration they should, Nutrena has added "Silent Scent" to their dog food. Dogs love it. (Advertisement)

Good Reports On Stilbestrol

Stilbestrol in cattle feed has increased gains and reduced costs at seven experiment stations, according to Dr. Wise Burroughs of Iowa State College.

First tests were made under Burroughs's direction at Iowa State College. In those tests, speed of gains was increased five to 20 percent. And cost of gains was reduced around 10 percent.

And now the Iowa results have been confirmed by numerous tests at other stations.

Burroughs reports that stilbestrol-fed yearling cattle in Colorado tests gained one pound more per day than cattle which had no stilbestrol in the feed.

In all, about 24 experiment stations are now making tests with stilbestrol in cattle feed. And there is a continuing search to find out more about the results of feeding stilbestrol to cattle on grass, and to younger cattle.

Burroughs reports that cattle fed grain on pasture made about the same increase in gains from stilbestrol fortified feed as did cattle in dry lot.

And tests are being made to find out if stilbestrol will help cattle on grass alone. Or cattle on limited grain feed.

Calves fed stilbestrol-fortified feed have shown about the same results as older cattle, according to the animal nutrition specialist.

Both Purdue and Iowa State College tests have shown increased gains ranging from one-fourth to one-half pound per day.

Burroughs says that carcass quality of stilbestrol-fed cattle is just as good as from cattle fed without the drug.

He suggested that most new things have to meet rumors such as the one that meat quality was lower when stilbestrol was used in the feed.

Many tests have been made on the meat at Iowa State College with no reports of any effect, good or bad, on carcass quality, said Burroughs.

Stilbestrol has been accepted by cattle feeders at a very rapid rate. A Wallaces' Farmer and Iowa Homestead survey showed that 40 days after stilbestrol fortified feed was available, 20 percent of Iowa cattle feeders were using it. And two-fifths planned to use it this year.

Oats Stocks Are Up Sharply

Farmers fed a very large amount of oats during the first quarter of this year. Still, stocks on April 1 were near the record high on April 1, 1946.

Total of oats April 1 this year was 621 million bushels. A year ago, total stocks were only 491 million bushels. The increase is about 130 million bushels.

A record oats acreage is indicated for this year. But the big increase is not in the heavy oats producing states of the mid-west. Sharp increases are expected in southern states.

Canadian stocks of oats are smaller than last year.

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Saturday night in one Iowa county seat town. It was a cold night and that kept folks off the street. But do many farmers come to town on Saturday night any more?

When do you go to town?

Saturday night "ain't what it used to be," poll shows

IT USED to be Saturday night. But times have changed. The Wallace-Homestead Poll asked Iowa farm people: "On which day of the week does your family usually go to town to do shopping and visiting?"

Here is the way the answers came out:

Monday	**1 percent**	**Friday**	**18 percent**
Tuesday	**1**	**Saturday**	**2**
Wednesday	**2**	**No particular day**	**75**
Thursday	**1**		

So for Iowa as a whole, Friday is more of a town-going night than Saturday. Does it work that way in Missouri and Illinois? Readers can tell us.

How many times do folks go to town these days? Once a week used to be the rule. Now what is it?

The Wallace-Homestead Poll asked this question: "About how many trips did you make to town in the last week?"

1. No trips to town	**3 percent**
2. One trip	**17**
3. Two to three	**49**
4. Four to five	**16**
5. Six to seven	**7**
6. Eight and up	**5**
7. No answer	**3**

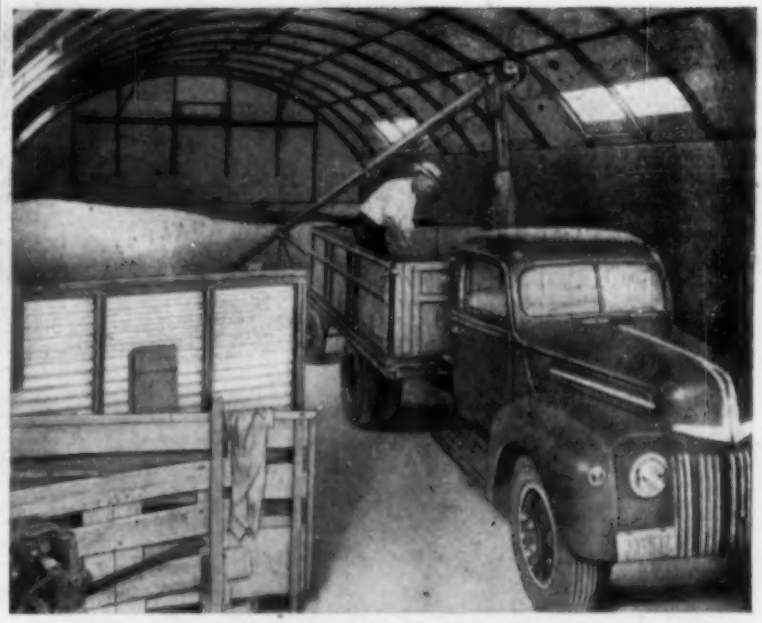
The biggest number figured on two to three trips a week. Then the Wallace-Homestead Poll asked another question: "Take one of your neighbors that you know well. How many trips to town did he make last week."

For the neighbor, too, the most likely number of trips was two or three. Here are the replies in detail:

1. No trips to town	**1 percent**
2. One trip	**4**
3. Two to three	**37**
4. Four to five	**20**
5. Six to seven	**11**
6. Eight and up	**8**
7. No answer	**19**

Under the "no answer" heading came those who said: "I never noticed." Or "What my neighbor does is his business."

What the Poll shows is this: Farmers are apt to go to town two or more times a week. But don't look for many on Saturday night.



Loading and unloading wheat with an auger in a post-free Quonset is an easy job for Ray Withington, Genoa, Colo., wheat rancher.

"My Quonset gives me more value per dollar"

"With 12,000 bushels of wheat in my Quonset 32 x 72, I still have room for a shop, two tractors, elevator, truck and pick-up in the other end," says Ray Withington, Genoa, Colorado. "And after the wheat is out I store my binder, one-way plow, field cultivator, grain drills and my pull-type combine in the Quonset."

Although he uses only two-thirds of his Quonset for grain storage, Mr. Withington says it will pay for itself in three and one-half years from grain storage alone.

Easy terms are available through the Quonset Purchase Plan for Quonsets for grain storage or any other farm use.

These two Quonsets give George Wilson, Buffalo Hart, Ill., marketing control over the corn and small grain he raises. Both buildings are equipped with drying fans and tunnels.

"Right now my Quonset 32 x 48 is filled with grain," says Eddie Berens, Selby, S. D., "but later it may shelter farm machinery or livestock."

O. R. Adkins, Jr., Chandlerville, Ill., samples wheat stored in Quonset 16 x 52 buildings he owns with his father. Wheat at 18% moisture was dried to 11.3% in a few days, using a pre-engineered unheated-air drying system.

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Treadle-type sprayer kept flies off dairy cows last year for Walter Eyres of Plymouth county, Iowa. Cows walked thru sprayer in going to and from pasture. Stanley Eyers is pictured with unit.

Keep biting flies off cattle

Modern equipment for applying insecticides makes job easier

HORN flies, stable flies, horse flies, heel flies—those are the flies that really cut milk production and beef gains.

They're biting flies. They hurt! And cattle spend a lot of time and energy fighting them—time and energy that might otherwise be converted into milk or beef.

Spraying barn walls or using fly-killing baits will help control house flies. But those methods don't do much toward controlling the biting flies.

To protect livestock from biting flies, you have to put an insecticide on the animals.

Which insecticide? How should it be applied?

Daily treatment with a pyrethrin spray is a proven method. It protects cattle from biting flies. But the treatment is effective for only a few hours. So it's a time-consuming job—not practical for most beef cattle owners.

However, automatic sprayers are helping some farmers control biting flies with less work. The treadle-type sprayer, for example, is well adapted to either beef or dairy cattle.

With the treadle-type sprayer, cattle spray themselves with a concentrated solution of activated pyrethrins as they pass thru the sprayer on the way to and from water or the barn.

"It's worth the chips so far as fly control is concerned," declares Walter Eyres, Plymouth county, Iowa, dairyman. He has used his treadle-type sprayer for two seasons.

Eyres places the sprayer in the gate between his barnyard and his pasture. Cattle spray themselves at least twice a day.

"It saves on labor," Eyres points out. "But most important, it gives better fly control than I ever got before." Previously, he had dependend on hand spraying.

Eyres is pretty sure that the treadle-type sprayer controlled

(Continued on next page)

Fogging device knocks down flies in dairy barn for Douglas Rush of Woodbury county, Iowa. The spray also settles on cows in the barn—protects them from flies during the day.

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Keep flies off cattle

(Continued from last page)

heel flies, too. He usually treats his cows each spring to control grubs. But this year it wasn't necessary. Not enough grubs to worry about, he says.

And that's possible. Tests conducted last year by Iowa State College workers indicated partial control of heel flies with the treadle-type sprayer.

New barn fogging devices provide another means of spraying daily without much work. Just get the cattle in the barn, close the doors and flip a switch. The barn fogger delivers a quick-killing mist of synergized pyrethrins that kill all the flies in the barn.

After using a barn fogger in his dairy barn last year, Douglas Rush of Woodbury county, Iowa, is sold on results.

"The flies just drop and start kicking. They don't get up either," Rush says. He uses his portable fogging device in his hog house once each week too.

The fogger saves time—several minutes per day, Rush says. It usually takes him about two minutes to fog his entire barn.

But what Rush liked most was the fact that he got better fly control than he had been getting with a hand sprayer. He figures the mist settles on his cows—protects them from flies while they're out on pasture.

To protect cattle from all the biting flies, daily spraying with pyrethrins probably is the most effective method. But suppose daily spraying doesn't fit into your program. Then there are other methods of protecting cattle from flies.

Horn flies, those small flies that cluster around shoulders and underlines of cattle, are probably the most numerous of cattle fly pests.

Spraying with DDT or methoxychlor will keep horn flies off of cattle for several weeks. DDT, of course, should be used only on beef cattle—not on dairy cattle.

Or, if you don't want to take the time to spray, you can let cattle treat themselves. Just install a cable-type rubbing device saturated with DDT or methoxychlor. That gives good control of horn flies.

You can buy rubbing devices which automatically keep the cable saturated with insecticide. Or you can make your own. Just hang a burlap-wrapped chain between two posts. And saturate the burlap with insecticide every few days.

"Well . . . We could put 'struck by lightning' as the cause of death and let it go at that."

Compact "66" twine-tie P.T.O. bales up to 7 tons an hour with a 2-plow tractor!

Bale . . . after bale . . . after bale —*without a miss!*

One run down the windrow will convince you . . . New Holland's Compact "66" is the easiest handling, sweetest running twine-tie baler on the market!

The "66" will package up to 7 tons an hour . . . bale any kind of hay. Yet it is so compact that it stores almost anywhere, slips through narrow gates.

P.T.O. model is one of the lowest price balers on the market. An overrunning clutch protects the tractor gears from baler momentum . . . lets you match ground speed to baling speed in an instant. Engine-powered model operates with a 1-plow tractor.

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Free Catalogs! For information on New Holland's "66," "Super 77" or "80" balers, write: New Holland Machine Co., 1805 Elm Street, New Holland, Pennsylvania.

Overrunning clutch on the "66" P.T.O. lets you shift tractor gears without waiting for the baler flywheel to stop spinning . . . makes it easy to match ground speed to baling for fast, steady operation, protects gears.

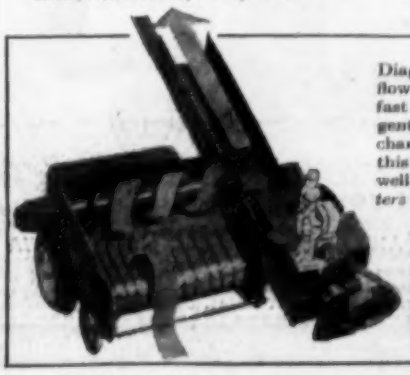

Diagram shows New Holland's direct-flow baling system. *Floating Pickup* is fast and positive. *Rigid Feed Auger* gently whisks hay or straw to bale chamber. *Adjustable Wadboard* folds this hay or straw just right for firm, well-shaped bales. *Field-proved Knotters* tie bale after bale without a miss.

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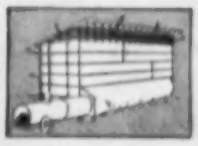

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THE RICH MAN employs a butler, a valet, a secretary, a laundress, a cook and a housekeeper. The poor man just gets married.—Danbury Review.

PERSONALITY IS the name we often give to our own little collection of funny ways.—Gowrie News.

THERE ARE SOME BOYS of 18 who just can't believe that someday they'll be as dumb as their fathers.—Mason City Globe-Gazette.

THE OPTIMIST is as often wrong as the pessimist, but he is far happier.—Sioux Rapids Bulletin-Press.

IF YOU WANT your dreams to come true, don't oversleep.—Lake Park News.

STRANGE TO SAY, the emptier the head the less it takes to fill it.—Adair News.

THE POLITICIAN who can be bought eventually gives himself away.—Cherokee Courier.

THE AVERAGE NEWSPAPER prints the misdemeanors of teen-agers on the front page, and on the back page might have a small article about a teenager making good.—Grand Junction Globe-Free Press.

THE BEST REWARD for a job well done is to have done it. —Parkersburg Eclipse.

SOME POLITICIANS express an opinion and then hope and pray it comes in on a slow freight.—Des Moines American Citizen.

THE TORNADO season is at hand. Most of us have never seen or experienced a tornado. But a windstorm . . . we go thru that every week.—Knoxville Express.

THIS IS the season of the year when a husband who boasts that he's been putting his foot down, step by step, probably has been removing storm windows.—Waverly Democrat.

"Oh, Harold left an hour ago. That was your own hat you sailed out the door."

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LATE PLANTED CORN yielded almost as well as early and medium plantings in central Iowa tests. But moisture content of corn at harvest was always higher in late planted corn.

▼ ▼ ▼

IT'S TIME to locate Canada thistle patches in the oats and get ready with the sprayer and 2,4-D. Hit them before bloom appears.

▼ ▼ ▼

CORN STANDS are rarely hurt by the spike tooth harrow if harrowing is done before corn unrolls. But harrow only when ground is dry and fairly free from clods.

▼ ▼ ▼

HAY MACHINERY ready? Early cut alfalfa is highest in protein content and lowest in crude fibre content.

▼ ▼ ▼

GRASS FLAVORS in milk can be reduced by removing cows from pasture well ahead of milking time.

▼ ▼ ▼

TO CONTROL aphids on roses apply malathion according to directions.

▼ ▼ ▼

SHEEP SCABIES requires a thoro dipping job. Enough to control lice and ticks may not be enough to eliminate scabies.

▼ ▼ ▼

MILK BACTERIA increase 700 times in 12 hours with milk at 70 degrees. Cool milk immediately after milking for a superior product.

▼ ▼ ▼

CORN RESEALING program already announced will include both 1953 and 1954 corn.

▼ ▼ ▼

WATER IN MOTION cools milk faster than still water. And cooling water should be as high as the milk line in the cans.

▼ ▼ ▼

RANGE SHELTER is necessary for turkeys. Roosting space should protect every bird from cold rains. There should also be enough shade for every turkey without crowding.

▼ ▼ ▼

YOUNG CALVES can't eat enough grass for rapid gains. Addition of grain, concentrates and some hay will speed up gains and improve calf health.

▼ ▼ ▼

CORN STAND too thin or spotted? Three bushels per acre extra yield will pay cost of replanting. Real bad stands should be replanted as late as the first week in June. But use early corn varieties or switch to beans.

▼ ▼ ▼

DOCKS are enforced on frosted beans as well as on soft, or high moisture corn. But frost-damaged beans are much less trouble than soft corn. The beans will dry out and keep.

MEADOWLAND holds subsoil water much better than plowed land. In Iowa tests, gain in subsoil moisture, October to April, was 3.3 inches more in meadow than in corn fields. That indicates grassland in the rotation builds up moisture supplies for grain crops.

▼ ▼ ▼

BLOCKS under portable brooder houses, range shelters or feed bins will prevent decay of lower parts of the buildings.

▼ ▼ ▼

GOOD COW SCHEDULE is this: 10 months for milking, two months dry, and a calf every 12 months. It takes a good cow and careful dairyman to keep the schedule.

▼ ▼ ▼

IF PIGS are unthrifty without apparent reason, find out if they have erysipelas. This disease is tricky. It can cause quick death or just make runts of pigs.

▼ ▼ ▼

WINTER WHEAT growers in Iowa have until June 1, to dispose of excess acreage over allotments. Spring wheat growers have until June 10. Excess may be pastured, used as hay or silage, or plowed under. Quota penalties will be imposed on those who do not comply with wheat allotments.

▼ ▼ ▼

FOR A GOOD JOB with farm machines you need two things —proper adjustment and expert operation. One without the other means a bad job. So the first

thing to do with a planter or cultivator when you get to the field is to be sure the set is right. Sometimes it takes a half day to set a cultivator to do a good job. But it's time well spent.

▼ ▼ ▼

FOR SAFETY, keep all farm spray materials away from children, livestock, fire, and stored grain. Avoid breathing the fumes from spray chemicals. And keep them in containers with labels that tell what they are.

▼ ▼ ▼

GRASS SILAGE gives best results when fed in combination with hay, say Indiana dairy specialists. They recommend five to seven pounds of hay per cow daily plus all the silage cows will eat.

▼ ▼ ▼

BIG ELECTRIC MOTORS need big wires to carry heavy current required. Before you hook large sized motors or heating equipment on your electric line, ask your serviceman if the wiring is adequate for the load.

Look at the difference side-dressing with Spencer "Mr. N" Ammonium Nitrate made in these tests conducted by Clifford Armstrong of Calamus, Iowa.

Over $20 Extra Profit Per Acre In "Dry" Year

June side-dressing with Spencer "Mr. N" boosts Iowan's corn yield to 104 bushels

Talk about fertilizer payoff! Clifford Armstrong of Calamus, Iowa, found out last year what side-dressing with nitrogen can do. He hit the jackpot with 104 bu. corn and an extra profit of over $20 per acre —in a dry year.

Here's how it happened: Armstrong divided a field into equal test plot areas, and planted corn on May 12. One plot was not fertilized. It yielded 65 bushels per acre. Another received 300 lbs. of 10-10-10 plowed down, plus 180 lbs. of 5-20-10 at planting. It averaged 75 bu.

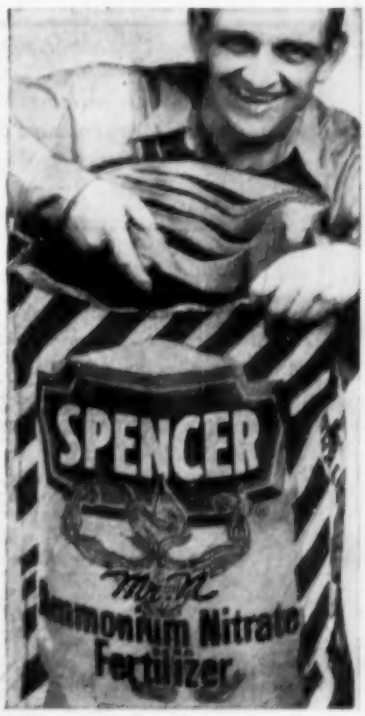
The third plot received the same application as above, plus 200 lbs. of Spencer "Mr. N" Ammonium Nitrate, side-dressed in June. This corn yielded 92 bu. per acre.

But here's the big payoff: In the fourth plot, Armstrong increased the side-dressing application to 300 lbs. of "Mr. N." It yielded 104 bushels per acre—39 bushels more than the non-fertilized corn. And, in a *dry* year.

This represented an extra profit per acre of $23.48 over all fertilizer costs.

This kind of extra corn profit certainly is worth going after. But you may miss your chance if you wait. Best side-dressing results are obtained from application at first or second cultivation.

And, because Spencer "Mr. N" has long been the best selling ammonium nitrate in the Midwest, dealers' stocks are going fast. So be sure to see your fertilizer dealer right away. Ask for and insist on Spencer "Mr. N" Ammonium Nitrate Fertilizer.



No other fertilizer is easier to apply than Spencer "Mr. N" Ammonium Nitrate. Polyethylene inner liner in Spencer's multi-wall bag keeps "Mr. N" dry and free-flowing . . . ideal for side-dressing. It's guaranteed to flow freely even after a full year's storage under proper conditions. Spencer Chemical Co., Dwight Bldg., Kansas City, Mo. Ad'vt.

For less than 3/4¢ per week per steer you can insure a healthier herd and healthier profits!

(Based on the national average salt requirement per steer)

Just that much more is all it costs to feed a steer Morton Trace Mineralized Salt instead of ordinary salt

A healthy steer packs on more weight with less feed . . . finishes out better . . . sells higher.

To *insure* good health, you should feed all your steers Morton Trace Mineralized Salt.

Morton T-M Salt provides the sodium and chlorine your livestock must have, plus adequate amounts of vital trace minerals: iodine, cobalt, copper, iron, zinc, and manganese.

Most farm land lacks one or more of these essential trace minerals. Lack of any one can cause poor health . . . poor weight gain . . . lack of bloom.

Feeding trace minerals with salt is the surest, most economical way to guarantee an adequate supply. Morton Trace Mineralized Salt is inexpensive. All animals like it, will eat it readily every day. When they do, they get the salt they crave, plus the trace minerals they need.

To assure proper mineral balance, build your mineral feeding program around Morton T-M Salt. It's essential to a sound, economical mineral program—whether or not you feed a major mineral supplement. Its cost is so slight—the protection it offers so valuable—it is the only kind you should use.

Just be sure to feed it to your animals free choice. You know they need it. They know how much.

MORTON T-M SALT
Trace Mineralized Salt

AT YOUR FEED DEALER'S IN BAGS AND BLOCKS

Pancake supper at community hall helped to pay for part of the new addition. Serving 136 meals netted $60.

It was a country school

But now it's a community hall

Farm people showed how old country school could still serve community

Is your one-room school closed? If so, what happened to the building? In this article, Wendell Clampitt tells what a Hardin county, Iowa, community did when Cottage School closed. The Clampitts live next door to the school, know the problem at first-hand.

"IF THEY CLOSE our country school, let's not sell the building. Let's keep it for a community hall." That's what some folks said when they knew Cottage School (Ellis township No. 8) in Hardin county, Iowa, was likely to be closed.

And most of the neighbors agreed. For Cottage community is truly a fringe area. The only remnant of the pioneer village from which the school gets its name is a small country church. Inside the school district, the church competes for members with some eight other outlying churches.

Cottage school did close its doors in May, 1952—like many another one-room country school and for much the same reasons. Later the district was split up, a part merged with the school at Hubbard, a part with the district of Owasa.

A tradition in Cottage community had been the school program at Christmas time, when the building would be jammed to hear the eight or 10 pupils recite and see Santa arrive. Now that was gone, too. Neighbors missed this common tie.

So one December evening in 1953 (before the district was officially dead), the school directors called a public meeting for the purpose of establishing a community hall. Nearly all of the 20 families included in the four-square-mile area were represented there.

They voted unanimously to organize the Cottage Community Hall Association. They elected two men and one woman as a temporary board of directors.

The new board's first job was to acquire the property. To establish a secure title, the school board got a quit claim deed from the owner of the farm on whose land the property sat. Then they sold building and grounds to the hall association.

The corporate charter of the Cottage Community Hall Association limits membership to persons living within the area of the old Cottage school district. Memberships were sold at $5 each.

Certificates must be turned back to the Association whenever a member moves out of the district. Membership certificates were made out to one specified individual in a family. Later the charter was amended to allow either that named individual or his spouse to hold office and vote.

But interest in the hall goes considerably beyond the two-mile square boundary. Donations, both money and labor, have come from all around. So these many friends have a vested interest, even tho no voting interest.

Since the last teacher left, a lot of changes have been made in the building. First off, the main room was completely redone in panels of green tinted

(Continued on next page)

Don't Shovel!
Unload It Like This With an Electric-Hydraulic

Jayhawk Mobile Wedge TRUCK HOIST

New, More Efficient Lifting Principle No Power Take-off . . . Lower Price

Dual Push Button Control . . Simplified Installation, Low Mounting Cost

The Jayhawk is a better hoist that costs you less. Its moving wedge is one of the most effective lifting mechanisms ever developed. Its completely electric-hydraulic operation gives instant, complete push button control regardless of truck motion. Its simplified design makes mounting on any truck easier and cheaper.

Your truck dealer can order one for you now . . . in time for harvest.

Write for *FREE CIRCULAR* with full details.

3-ton Jayhawk Junior only $275 plus fed. tax

WYATT MFG. CO., INC.
Since 1903. Dept. H-46 Salina, Kansas

GRADE "A" WATER

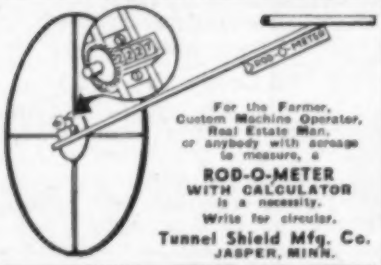
You can have grade A water — free from contamination and frost damage by installing the low cost DUPLEX PITLESS WELL SYSTEM! It eliminates the unsanitary frost pit; it affords complete sanitation and frost proof protection; it brings the well casing above ground; puts the water carrying pipes and underground discharge opening safely below frost level. A patented sealing device permits pulling the working parts when necessary. Save money — write for information to DUPLEX MFG. CO., Superior, Wisconsin.
Dept. W-35

DUPLEX PITLESS WELL SYSTEM
"The modern answer to sanitary water"

I PREFER DAISY HOG WATERERS

. . . and your hogs will prefer the Daisy, too! First name in waterers for 45 years! Five models for barred, tank or pressure system. Heater attachment for winter. Keep your hogs well-watered with Daisy Waterers — they'll drink more . . . gain faster on same feed! See your dealer or write direct for free circular and prices.

QUINN WIRE & IRON WORKS
DEPT. 100 BOONE, IOWA



For the Farmer, Custom Machine Operator, Real Estate Man, or anybody with acreage to measure, a

ROD-O-METER WITH CALCULATOR
is a necessity.
Write for circular.
Tunnel Shield Mfg. Co.
JASPER, MINN.

SEARLE Farm Duty LUBRICANTS

Kitchen side of hall. Mrs. H. Lake helps to set out meals.

Community hall

(Continued from last page)

wallboard, with white squares for the ceiling.

The first kitchen was the hall coatroom—but that was much too cramped and inadequate. "Why not an addition on the north side, away from the road?" folks asked.

Last fall a committee was appointed to get the addition started. The committee, John Barnhart, Bernard Roll and Max Halfpop, succeeded in generating so much momentum that by Christmas the Hall found itself with an $800 addition. It was a 10x28 kitchen, with oak floor and fluorescent lighting.

But who was going to pay for it? The board had anticipated a pay-as-you-go program, and there was only some $200 in the treasury.

Mrs. Max Halfpop was undaunted. "If you'll get the building done by Christmas," she said, "I'll help get up a program to raise money."

This program was staged at the hall during the holidays to a capacity house. Later it was repeated at the town of Buckeye.

These programs gave the treasury a big boost. Also there were more auctions, bake sales, bazaars and rummage sales. The women served at farm sales; put on an oyster supper at the hall, and finally a pancake supper, before spring work started.

What about the upkeep of the hall? Association members last winter approved a fee of $2.50 to all takers, whether members or not.

How much is the hall used? Last February there were 12 separate reservations. The Ellis township Farm Bureau now has a yearly contract here.

Recently the Cottage church building was badly damaged by fire. So their congregation are holding their Sunday morning services here. Assessors meetings, ASC sign-ups, township elections—all welcome the facilities provided. For there is no town in Ellis township.

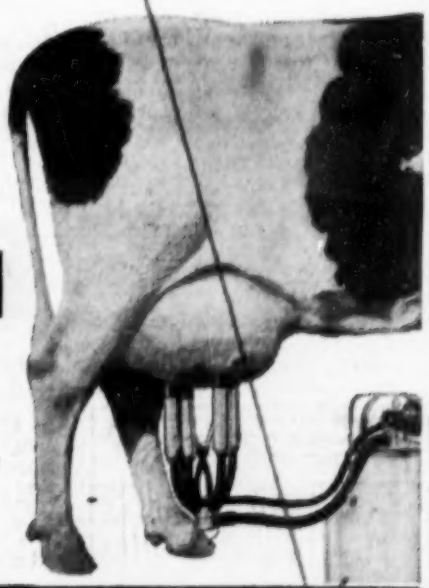
What's more, neighbors are seeing more of each other now. "Cottage" is a community again.

THIS FREE COMPARISON TEST will show you how to GET BIGGER MILK CHECKS!...

Here's your opportunity to see for yourself—on your own cows—exactly what the De Laval Milker will do . . . how it milks faster and cleaner . . . how easy it is on the cows . . . how it produces *more* milk.

This test is *absolutely free* . . . no strings attached . . . you get a De Laval Milker Unit to try out in your own barn without cost or obligation.

Don't buy on promises and claims. Base your choice on cold, hard facts proved by your own test! Make the De Laval Free Milker Test now . . . call your nearby De Laval Dealer or mail coupon today.



DE LAVAL MILKERS

FREE TO TRY... EASY TO BUY

THE DE LAVAL SEPARATOR CO., Dept. S-43
Poughkeepsie, N. Y.

I'm willing to be shown. Please send me the name of my nearest De Laval Dealer and tell him I'd like to try a De Laval Sterling Milker on my present pipeline.

Name_____
Town_____ RFD_____ State_____
Name of Present Milker_____ I milk____ cows

THE DE LAVAL SEPARATOR COMPANY Poughkeepsie, New York • 427 Randolph St., Chicago 6
DE LAVAL PACIFIC CO. 61 Beale St., San Francisco 6

Iowa to get egg grading law

All eggs to be bought and sold by grade after July 4, this year

THE new egg law promises an overhaul in Iowa's egg marketing system. Major change will be a change from "current receipt" market to a compulsory grade market.

The new egg candling and grading law will replace the egg candling law now in effect.

The old law required only that eggs be candled. And it prohibited the sale of eggs unfit for human food.

Most Iowa eggs are graded before reaching the consumer. But producers haven't been getting the benefit of that grading because their eggs were sold on a current receipt market.

The new egg law changes this system. Producers will be paid according to egg quality. The percent of high quality eggs you produce will determine your egg profit.

Prices you get for high quality eggs should be higher than current receipts prices. But poor quality eggs may bring a lower price than current receipt eggs.

If you produce poor quality eggs the new egg law may lower your profits. But price difference between high quality and low quality eggs will be an incentive to produce good eggs.

Grade A eggs brought Iowa producers from two to 15 cents per dozen premium over current receipt eggs during 1954. But most producers didn't have a grade market and were forced to sell eggs to current receipts buyers.

The Iowa secretary of agriculture will set up rules for enforcing the new egg law. He may hire inspectors to check for violations.

Teeth in the egg law provide penalties for violations. "Any person found guilty of any violation of this act shall, upon conviction for the first offense, be fined $25; for the second offense, he shall be fined $100; and for the third and subsequent offenses, he shall be fined $200. In addition to such fines, the court for the second offense shall suspend his license for 30 days; and for the third and any subsequent offense, such person's license shall be revoked for a period of one year."

Money to administer the egg grading and candling law will come from license fees. Retailers, dealers and processors will be required to buy a license each year.

Graders and candlers will also be required to get a license from the department of agriculture. The license fee will be $2 a year. "Before such license is issued, each . . . candler and grader shall demonstrate . . . his capability as a candler and grader."

This supervision will assure producers of the best grading and candling available. You can watch the candler and grader while he is processing your eggs.

Your eggs must not lose their identity until after they have been candled and graded.

Consumers are assured of better quality eggs. The egg law provides: "All eggs for resale or retail must be candled, graded and labeled, and no eggs shall be sold as 'ungraded,' 'nest run,' 'current receipts,' or any other name which might be misleading."

Eggs sold at retail must be no lower than USDA consumer grade B. And eggs offered for sale by retailers must be held at 60 degrees F. or lower.

"You know, I can't recall when we've had such a dry spell."

FARMERS Lower Their Feed Costs with CONCENTRATE

Only when a farmer feeds a completely balanced ration can his animals produce at their highest efficiency and for the lowest feed costs. Your own grains and roughage properly fortified with MURPHY'S CONCENTRATES make up the most economical, completely balanced ration you can feed.

A completely balanced ration supplies energy substances (fats, starches, sugar) plus adequate amounts of proteins, minerals, vitamins and the right amount of selected antibiotics. Rations that lack or are short in any one essential nutrient waste your feed dollars.

For Example:

Complete Ration — Deficient Ration

When only corn is fed to hogs, one of the missing nutrients is the important protein substance lysine. Without lysine, growth is slowed—feed is wasted.

If only farm feeds and protein are fed to the dairy cow, one of the missing nutrients is the important mineral substance, phosphorus. When phosphorus is short, milk production drops—calves are weak and puny.

If only vitamin A is short in a poultry ration, egg production drops off—colds and croup cause serious losses—feed is wasted, profits are lost.

MURPHY'S CONCENTRATES are a high-level concentration of proteins, minerals, vitamins and antibiotics. When you fortify farm feeds with MURPHY'S, you supply the important nutrients farm grains and roughage lack for fast growth, good health, and good production.

Stepped-Up Production

Modern production methods have put a greater than ever demand on the nutritional requirements of feed. Cows give more milk . . . hens lay more eggs . . . pork and beef get to market sooner. Therefore, a farmer who doesn't feed a completely balanced ration loses money because he cannot efficiently convert his crops into profit. With small amounts of MURPHY'S CONCENTRATES you completely and economically balance up large amounts of your farm grains and roughage.

Completely balanced rations lower your feed costs. MURPHY'S GUARANTEES LOWER FEED COSTS.

MURPHY PRODUCTS CO., BURLINGTON, WIS.

7 lbs. BEEF* Pay for 1 Month's Supply of CONCENTRATE

*Figuring beef at $25 CWT

7 lbs. of beef is only about 3 day's gain for a steer on a MURPHY feeding program. 3 day's gain per steer pays for a full month's supply of all the extra proteins, vitamins and minerals your steers need to convert high-roughage rations into cheap gains. The rest of the month, your MURPHY-fed cattle are putting on extra gains to pay you extra profits over feed costs.

MURPHY'S Plus Roughage . . . Your Best Source of Low Cost Energy

Steers require huge amounts of energy. The more energy a steer can get from roughage, the lower your feed costs. By economically supplying important amino acids, minerals and vitamins, MURPHY'S helps the digestive system of the steer break down a greater percentage of roughage into dextrins, sugars and starches which are then usable as energy. When these missing nutrients are supplied, steers put on fast gains and stay in good health.

MURPHY'S gets a lower cost feeding job done; saves you grain. Troubles from bloat and washiness are greatly reduced. Your cattle look better . . . are healthier . . . stay on feed better . . . put on consistent daily gains. A MURPHY beef feeding program is a low cost program.

Free Choice Feed MURPHY'S

MURPHY'S BEEF CONCENTRATE can be economically self-fed free choice. Cattle don't overeat on MURPHY'S. Consumption runs about ¾ to 1 lb. per head per day. Your cost of labor is greatly reduced. MURPHY'S is available in either pellet or meal form.

MURPHY-Fed Cattle Ship Well

Feeders who ship long distances report that cattle fed MURPHY'S CUT-COST BEEF CONCENTRATE shrink a lot less than cattle fed most supplements or balancers. A saving of even 10 lbs. of shrinkage per steer at 25¢ a pound is extra profit in your pocket. (This extra saving alone pays for about 40 to 45 day's supply of MURPHY'S.)

For better gains—lower feed costs—switch to MURPHY'S.

MURPHY PRODUCTS CO., BURLINGTON, WIS.

Service bureau

Where To Get Farm House Plans

To the Editor: Where can we get house plans that are designed for farms?—Mrs. D.S., Watonwan county, Minnesota.

Your local lumber dealer may have plans for farm houses. He will be glad to assist you in getting a plan that meets your needs.

The Midwest Farm Building Plan Service has plans available from the 15 cooperating states and USDA. You can order these plans from the agricultural extension engineering department at the University of Minnesota. Or from the other state agricultural extension engineering departments. Your county extension agent may have a description of plans that are available.

Service Bureau Letters

To the Editor: Do you answer letters to the Service Bureau in Wallaces' Farmer and Iowa Homestead if the letters are not signed?—F.C., Turner county, South Dakota.

Unsigned letters to the Service Bureau are filed. But not answered. None of the unsigned letters are used in the Service Bureau column.

Letters that are signed are answered by personal letter. Some of the letters are then used in the Service Bureau column in each issue.

If you want to get an answer to your letter please sign it. We can't mail an answer unless me know your name and correct address.

What Pasture Rent?

To the Editor: I have some extra pasture land. Since my farm joins a town, I'd like to rent it to people who keep milk cows. How much should I charge per head per month? —L.F., Van Buren county, Iowa.

The rent you should charge per head per month for your pasture would depend upon the type of pasture. You would also consider the size of the cows.

Your pasture would be worth more if it were brome-trefoil than it would if it were bluegrass. And a large cow would eat more forage than a small one.

We can't answer your question. If a pasture similar to yours rents for $10 per acre per year, and if it will carry one head per acre, then $10 per head for the grazing season would be a fair charge.

If Property Is Owned Jointly

To the Editor: My wife and I own our farm as joint tenants with rights of survivorship. Could I make a will leaving my share of the farm to my son?—J.H., Cass county, Iowa.

The Service Bureau attorney says that any will you make would be ineffective unless the other joint tenant dies first.

However, it would be possible for you to convey your undivided one-half interest, thereby severing the joint tenancy.

Service Bureau Membership

To the Editor: How do we become members of Wallaces' Farmer and Iowa Homestead Service Bureau? How much does it cost to be a member? — D.N., Stark county, Illinois.

Service Bureau membership is offered to Wallaces' Farmer and Iowa Homestead subscribers. To become a member, it's necessary to pay a small membership fee. This fee is 25 cents for one year, and 50 cents for three more years. This fee is added to the subscription rates.

"There! That ought to get you out of the mud."

4½ lbs. PORK*

Pay for 1 Month's Supply of CONCENTRATE

*Figuring pork at $16 CWT

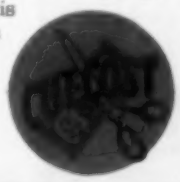
If you feed right, you can make money on $16 hogs. If prices go up, that's just more extra profit in your pocket. 4½ lbs. of pork is about two to three day's production for a growing MURPHY-fed hog. At $16, that's 72¢.

72¢ per hog per month is all the out-of-pocket cash you need to spend. For that small cash outlay you supply your hogs with . . .

½ of a pound per hog per day of MURPHY'S CUT-COST HOG CONCENTRATE added to your farm feeds, supplies your hogs with the right kinds of proteins at the proper levels for fast growth. MURPHY'S also supplies the minerals, vitamins and antibiotics deficient in corn, oats and roughage. You don't have to buy anything else.

Feeders are putting 100 lbs. of gain on fattening hogs with about 300 to 325 lbs. of feed when they fortify their rations with MURPHY'S.

There's not much you, as an individual, can do about the general market price for hogs; but you can increase your profits by putting on faster gains with less grain. MURPHY'S stretches out your grain and roughage. Hogs get more out of their feed. This better feed conversion means more hogs get to market earlier, in better condition and on less feed. So switch to MURPHY'S for faster gaining, healthier hogs . . . for lower feed costs. Ask your MURPHY dealer about MURPHY'S written guarantee of lower feed costs.



MURPHY PRODUCTS CO., BURLINGTON, WIS.

GUARANTEED

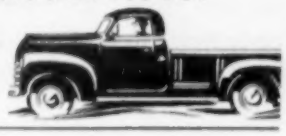
Lower Feed Cost with CONCENTRATE

You've heard it on the radio, seen it on television, and read it in the farm papers: "MURPHY'S guarantees lower feed costs." The conditions of the MURPHY guarantee are simply this:

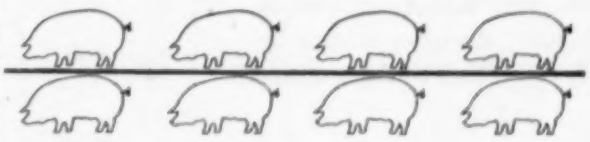
Compare the results you get feeding MURPHY'S with the results you get feeding any other feed. MURPHY'S must give you lower feed costs or better gains—better health—better production, or we will refund every cent you spent for MURPHY'S STARTERS, MURPHY'S MINERALS and MURPHY'S CONCENTRATES to make this test.

To Take Advantage of this Guarantee Here's All You Do:

Go to your MURPHY dealer. You will find him where you see the CUT-COST sign.



Get the MURPHY'S CONCENTRATES you need and sign up for the guarantee test.



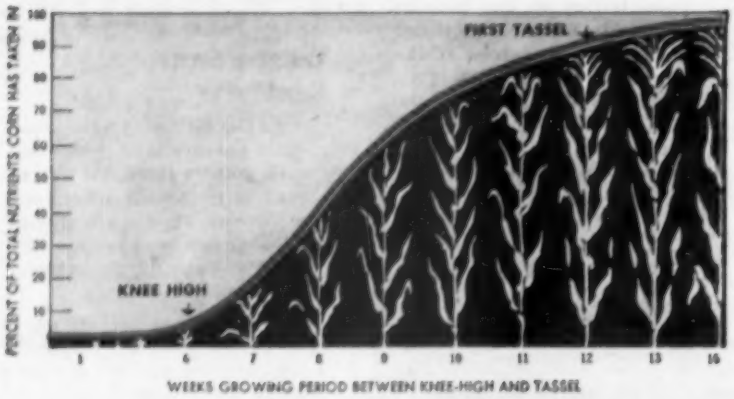
Divide your herd or flock into 2 groups as evenly matched as possible. Keep on feeding one group as you are now doing; feed the other group according to MURPHY'S recommendations.

If the MURPHY-fed group doesn't have lower feed costs or gain faster—produce better—have better health, then every cent you spent for MURPHY'S to make this test will be refunded. This guarantee is set up so it will be easy for you to compare MURPHY'S with any other feed. It is an expression of our confidence and our dealers' confidence that MURPHY'S feeds will lower your feed costs.

Stop in where you see the CUT-COST sign and let your MURPHY dealer show you how to lower your feed costs. REMEMBER MURPHY'S GUARANTEES LOWER FEED COSTS.

MURPHY PRODUCTS CO., BURLINGTON, WIS.

CORN NEEDS NITROGEN!



Between knee-high and tasseling (6 weeks average), corn takes over 90% of its nitrogen requirement.

—Middle West Soil Improvement Committee

Right now, for bigger yields, use

PHILLIPS *66* AGRICULTURAL AMMONIA (*82% Nitrogen*)

Tests show that during the first 30 days of growth, an acre of corn uses about 3½ pounds of nitrogen. But at the peak of the fast growing period of July and early August, an acre of corn needs about *4 pounds of nitrogen every 24 hours.*

If your soil can't supply enough nitrogen, fewer and smaller ears result. Such a crop is lower in both yield and feed value. Corn needs *plenty of nitrogen* to make good full-sized ears.

Phillips *66* Agricultural Ammonia contains 82% nitrogen—more nitrogen per dollar than any other type of nitrogen fertilizer you can buy. Apply it now by injection while cultivating, or by metering it into irrigation water. Use it for bigger yields, more profit per acre, lower production costs.

Now is the time to determine your side dressing needs. See your local ammonia distributor, dealer or custom applicator today for your supply of Phillips *66* Agricultural Ammonia.

Phillips also produces Ammonium Sulfate (21% Nitrogen) and Ammonium Nitrate (33.5% Nitrogen).

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Spray hoppers early

Watch for young hoppers in late May, early June

Best time to kill grasshoppers is when they're in hatching areas, such as fencerows.

IT'S hatching time for grasshoppers. If you're going to have hopper troubles this summer, you'll find young hoppers during the next few weeks in fencerows, pastures and old meadows.

And right then—while young hoppers still are in the breeding areas—is the best time to wage your war against grasshoppers.

It'll pay to use chemical control if you find an average of five young hoppers per square yard, say insect control experts at Iowa State College.

With that many young hoppers, you can expect hopper damage later on. Unless you use chemical control — or weather turns against the hoppers.

What chemical for hopper control? Both heptachlor and aldrin are at the top of the list recommended by college entomologists. Both are effective against young hoppers at dosages of one-eighth pound per acre.

Don't pasture a field too soon after spraying for hopper control. There's danger of contaminating milk or meat products.

Dairy cattle can be pastured on forage 10 days after spraying with heptachlor—15 days after spraying with aldrin.

Don't pasture fields sprayed with more than one-eighth pound per acre of either aldrin or heptachlor, the college entomologists advise.

Chlordane, toxaphene, dieldrin and gamma BHC also are effective against grasshoppers. But they leave residues which last longer. So college workers advise against pasturing fields sprayed with these chemicals.

Toxaphene residues are quite poisonous to hogs, experts say. Small amounts of the chemicals listed above probably won't kill other animals.

But the chemicals might show up in milk or be stored in animal fat. So it's best to play safe.

What about making hay from forages treated for hopper control? The same goes. Here's the safety schedule—listing the number of days which should be permitted to elapse between application and hay harvest: Heptachlor, 10 to 15 days; aldrin, 15 days; chlordane or BHC, 21 days; dieldrin, 30 days, and toxaphene, 40 days.

Weather, of course, can make a difference in how long the chemicals stay on plants. Insecticides disappear more rapidly in unusually hot weather, not so fast in unusually cool weather.

Why the emphasis on early control of hoppers? Baby hoppers don't do a lot of damage. Why be in a hurry?

True, you can kill hoppers later in the summer. But early hopper control is easier —and it costs less.

Early treatment gives you a chance to kill the young hoppers before they spread out. You won't have to spray so large an area as later in the season.

That saves on the cost of insecticide. And added to that, higher dosages are required in midsummer when hoppers are bigger and extremely hot weather may cause more rapid evaporation of insecticides. Insect experts say the dosage for young hoppers should be doubled to kill adult hoppers.

But the big argument for early hopper control is that you destroy the hoppers before they do a lot of damage.

One hopper may not eat a lot. But a field full of hoppers can run up a big feed bill. For example: It's estimated that a grasshopper population of 17 per square yard will eat a ton of forage per day from a 40 acre field. And there's no market for grasshoppers!

Newer insecticides have made the job of controlling grasshoppers much easier. And cost is low —compared to the damage a heavy hopper infestation can cause.

Don't wait until this happens! Picture shows hopper-damaged corn in Missouri last year.

Iowa M.D.'s Say . . .

Vaccination is health insurance

YOU certainly would not want to gamble on the health of your children—but how about betting on a sure thing? Immunizing your children against the dread diseases which have plagued mankind thruout the ages is one of the most solid investments you can make.

Innoculations against whooping cough, tetanus and diphtheria are given at one month intervals beginning at three months of age. This original series of injections is completed at the age of five months.

The smallpox vaccination is then given and if a "take" is obtained this reaction should be recorded. If a positive reaction is not obtained the vaccination should be repeated.

A booster innoculation against whooping cough, diphtheria and tetanus should be given at 18 to 24 months of age, and again when the youngster is ready to start to school or around five years of age. Boosters against tetanus and diphtheria only are advised at ages 10 and 15.

Everyone should take part in this immunization program in order to initiate and maintain immunity to these preventable diseases.

There is still a rather high incidence of tetanus (lockjaw). These cases come mostly from the farm where penetrating wounds are common and barnyard contamination of these wounds is almost a certainty. Lockjaw germs are always present where manure is found.

Prevention of tetanus should be universal among farm people. After the original innoculations the patient only needs to receive a booster shot which gives no reaction and is 100 percent protection against the disease.

Whooping cough is known for its frightful toll on tiny infants. However, by immunizing all children in a family at the earliest possible age we can protect our little ones.

Smallpox was a real killer many years ago but has been blotted out wherever people have been vaccinated.

Diphtheria prevention has not been practiced as long but present day methods of preparing immunizing materials have reduced the dangers of this disease.

Immunization against other diseases are not so well established but they age of great value as certain situations arise. For example, temporary immunity to measles may be obtained with the use of immune globulin. There is also a new vaccine which produces a temporary immunity to mumps.

Articles in this series are prepared by members of the Health Education Committee of the Iowa State Medical Society.

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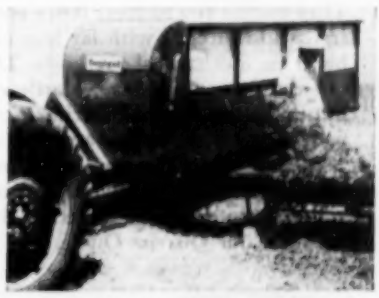
BRING THE PASTURE TO THE COW and save up to 50% on feeding . . . boost production-per-acre an amazing 200 to 300% over conventional pasture methods. Big, dependable Farmhand "Power-Box" Feeders—like the 6-ton, front-discharge model shown here—enable one man to easily feed over 500 head. Feed mechanically to enjoy lower costs, more leisure time, more time for other chores. Up to 300 bu. of feed per load is uniformly mixed and unloaded by PTO power as you drive along. Box unloads in 1½ to 4 minutes, from 18" belt-type cross-conveyor, for which an optional elevator is available. Your choice of front or rear discharge.

A BIG UNIT FOR BIG OPERATIONS, that's the new Farmhand "Superior" Feed Wagon. Specifically designed for fast, big-tonnage green feeding. Sturdy and light, with a capacity of 520 cu. ft. Plywood-lined aluminum body, with steel frame. 4-chain floor conveyor, 3 mixing beaters and 24" belt discharge conveyor. Mounts on truck or Farmhand Heavy-Duty Wagon.



LOW-COST, 4-TON "POWER-BOX" makes feeding and silage hauling fast, easy jobs. Hauls up to 135 bu., unloads in 1½ to 3 minutes. Two beaters thoroughly mix feed; 12" auger delivers it into bunks or blower hopper. Rugged and dependable, with treated marine plywood floor and sides; heavy roller-chain conveyor. Choice of front or rear discharge.

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District Office: Omaha, Nebr.

Boost land tax credit fund

Iowa legislature increases school aid, but much less than school men asked

THE 1955 Iowa legislature increased taxes for the general fund $23,000,000. Primary road revenue was increased $7,500,000. Total tax increases were therefore about $30,500,000 per year.

Appropriations were increased too. But it's expected that the balance in the state treasury will increase $2,000,000 from July 1, 1955, to July 1, 1957. Deficit spending appears to have been ended.

Tax increases include boosting the sales tax from two to two and one-half percent. About seven percent increase in the income tax. And a one-cent increase in the gasoline tax.

How did the legislature provide for the spending of the extra money to be collected from taxpayers?

The extra gas tax all goes for widening the primary roads. Secondary roads gained no revenue except from the increase of the sales tax. Ten percent of the sales tax proceeds go into the road use tax fund. That may give about $1,250,000 extra per year to secondary roads.

Biggest single increase in appropriations was $5,500,000 per year for agricultural land tax credits. This fund helps landowners in high-tax school districts.

Farm Bureau officials say payment of land tax credits in full will bring farmer support for beneficial school reorganization plans.

Other increases in school appropriations were much less than the Governor and school forces asked for. Annual appropriations and the increases granted are shown in table below.

The Iowa State Board of Education did not get its askings from the legislature either. An extra $2,024,085 was granted. Three main educational institutions under the board are Iowa State College, State University of Iowa, and Iowa State Teachers College.

The Board of Education had asked for an annual increase of $3,682,641 in support funds. Thus the amount actually granted was $1,658,556 less than Board of Education members thought necessary for support. These figures do not include money for buildings and capital improvements.

The Board of Control got an increase of $2,282,520 per year. This board controls penal institutions and hospitals for mental patients.

The Iowa legislature failed to act on several matters of interest to farmers:

No change was made in laws governing submission and voting on school consolidation proposals.

No change was made in the Bang's disease law.

All bills to fix speed limits on highways were killed.

But the Iowa legislature did take positive action on some things important to farmers:

The Farm Bureau and agricultural education were divorced and a new method of supporting agricultural education created.

Organization of sub-districts within soil conservation districts was authorized and permission given to levy four mills on property for support.

Buckthorn was declared a noxious weed. But hemp was left out of the noxious classification.

Sales of milk in gallon and third-of-a-quart bottles were legalized; milk labeled grade A was required to conform to U. S. health department standards; sale of non-fat dried milk was legalized.

Federal standard grades are required to be used hereafter in butter labeling.

Fee for cattle T.B. testing was increased to 40 cents per head, plus one dollar on completion of herd testing.

A special committee on drainage law revision was created. A revision recommendation is to be made to the next legislature.

The egg grading law was passed. After July, all eggs must be sold on grade.

Honey was exempted from taxation while in the producer's possession.

Hours for voting in drainage district elections were shortened from the present 8 a.m. to 8 p.m. New hours will be 1 p.m. to 5 p.m.

Submitted to the voters in the next general election a proposal to issue $26,000,000 in bonds to pay a bonus to Korean war veterans.

Most of the new laws will go into effect in July. But some have publication clauses and will go into effect immediately.

Educational funds for next two years

	Appropriation Yearly '55-'57	Increase Over '53-'55
General aid	$14,335,000	$2,335,000
Transportation	3,000,000	.....
Supplemental	4,000,000	1,000,000
Special	1,096,500	149,000
Land tax credit	10,500,000	5,500,000

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Research Points

HAY CROPS get most of their phosphorus from the surface six inches of soil, according to Michigan tests. Grasses got little of phosphorus placed deeper in the soil.

RECOMBINED MILK is being used in many foreign countries to maintain milk consumption during periods of short supply. It is made by mixing nonfat dry milk with milk fat and water. Tastes almost like fresh milk, many reports say.

USE of heat lamps during and after farrowing saves an average of a pig and a half per litter. That's according to United States Department of Agriculture research work.

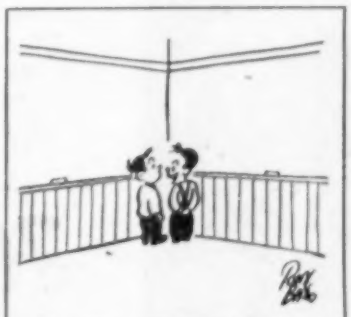
DURING 1954, cotton consumption in this country dropped to 25.4 pounds per person. That's nearly 10 percent below 1953 and the lowest since 1938. Of total textile fibers used in United States last year, cotton accounted for about 68.5 percent.

LAST YEAR, about two million acres of pasture land in New Zealand were top dressed with fertilizers by airplanes.

HIGH QUALITY FORAGE is cheap feed. In United States Department of Agriculture tests, orchard grass and ladino clover pasture produced total digestible nutrients for 69 cents per 100 pounds. For well managed bluegrass and white clover pasture, the cost was 71 cents. The same nutrients from mixed hay cost $1.10. From corn silage, $1.35. From wheat, $2.56.

PROPER OPERATION is the important factor in how well milking machines work, according to a New Mexico test. The test showed little difference between high and low vacuum machines as far as (1) incidence of mastitis, (2) milk produced, and (3) general health of the cow's udder.

STORE CREAM instead of butter. Then make fresh butter from the stored cream? It is being tried in the Netherlands. Reports say that butter from stored, frozen cream tastes the same as butter from fresh cream. This might be away around cold storage butter which may lose in quality during storage.



"I was supposed to be feeding the chickens by this time . . . How about you?"

There are *two sides* to every fence project

BEFORE you start to build any fence on your farm or ranch, take time to consider these two points, *where it should be installed* and also *how it should be installed*. To help you with these two most important points United States Steel has made available two free folders.

FENCE PLANNING SAVES is designed to show you how to take an over-all look at your entire property and figure out the best possible field and pasture layout. By following the instructions and using its tracing grid, keys and land-use scale, it is possible for you to make a perfectly-scaled map of your farm.

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Both of these folders also give you the complete story on the advantages of pressure-creosoted fence posts. They tell how posts PRESSURE-TREATED with USS CREOSOTE—another product of United States Steel Corporation—will stand up for many years under conditions that would readily destroy untreated posts. Pressure-treatment with creosote makes these posts highly resistant to damage by weather, adverse soil conditions, and attack by termites, fungi and other wood destroyers . . . gives them a probable service life of 30 years or more.

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United States Steel Corporation
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☐ Please send me a free copy of your farm fence folder "FENCES THAT PAY."

☐ I would like to know the name of my nearest supplier of pressure-creosoted fence posts.

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UNITED STATES STEEL

Bowling—for men only? Who says so?

Pottawattamie County Farm Women, 70 Strong, Go Bowling Each Week

SCORE KEEPERS have a busy and exciting time. They are: Mrs. Herbert Green (seated, left); Mrs. Robert Hansen, president of the league; Mrs. Howard Brokmere (standing, left); and Mrs. Glenn Owens.

"MY FRIENDS and neighbors are speaking a new language these days," says Mrs. Eugene Krohn, west Pottawattamie county, Iowa. "We used to exchange recipes, discuss the problems of our children and talk over farm topics in general."

"But now," Mrs. Krohn continues, "the word 'gutter' does not mean a part of the barn; nor does 'line' refer indirectly to wash day. If my friends talk about getting a 'turkey' they aren't planning a company dinner and 'improving my form' does not mean a new girdle."

This new language simply means that a lot of farm women in west Pottawattamie county have suddenly become enthusiastic bowlers. For two hours every Tuesday afternoon they park the preschool children if they can—if not they bring them along—and join the other girls at a bowling alley in Council Bluffs.

It all started this way. Farm Bureau men have had a bowling league for a couple of years. They were enthusiastic bowlers. Each Thursday night, rain or shine, they showed up for their game. Occasionally wives went along to watch.

Mrs. Robert Hansen was one of the interested observers. Then one night (last February) she had an idea. Perhaps other farm women would be interested. She talked to the manager. "Sure," he said. "Why don't you bring some of your friends and give it a try. On Tuesday afternoon the alley is yours."

Mrs. Hansen called a few friends whose husbands were bowlers. She suggested that they get together on Tuesday and try their hand at bowling.

Tuesday arrived and 70 farm women from west Pottawattamie county mobbed the bowling alley. Some brought their husbands along to coach and to keep score. Interest was so great that a women's league was formed right there.

The first rash of bruised thighs, blistered thumbs and mashed toes faded away. The women soon began to match their husband's scores. All ages were interested from the youngest bride to grandmothers. Soon there was a long list waiting for some to drop out. They are still waiting.

A STRIKE? A split? Mrs. Merle Ellerbeck and the rest of her team watch the ball to see the result of her throw.

The women soon found that they could take an afternoon off for themselves alone, without having their world collapse. A common interest has brought together many women of the county that might not otherwise have become acquainted.

"I find it relaxing and the most fun I've ever had," said Mrs. Emmett Ryan, who is the mother of nine children. Most of the women feel the same way—it's not strenuous—it's just fun.

Husbands have been patient and understanding. Why shouldn't they? After all, who helps out with the chores on Thursday nights? But husbands have been known to provide transportation during oat seeding. They have eaten sandwiches at noon and have been babysitters, while mom is bowling.

The season ends in May and most of the women will be waiting for the season to open again in the fall.

Of course, not all farm women in the county are bowling. Some are like Mrs. Krohn who says, "I have a two-pin handicap (safety pin that is) and I find that I am my own best pin-setter."

Homemaking Today

Edited By ZOE MURPHY

Skelgas Announces The Only Deluxe Range Complete With All These Luxury Features Of $170 Ranges For . . . $109.95

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Not just a "stripped down", economy model, but a full 30", luxury range. You could pay up to $200 and still not get all the features this range offers.

So, before you buy any other range, be sure to see your Skelgas dealer. Why do without the wonderful convenience of Skelgas cooking when this range can be yours for so little?

Act now! This is a limited introductory offer only! Don't wait until this range goes up to its normal price. Low down payment, and easy terms.

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Why pay more . . . why take less? If you need a range, if you want deluxe features and if you want to save more money on a first class range than you ever dreamed possible . . . act now before the price goes up to its normal level.

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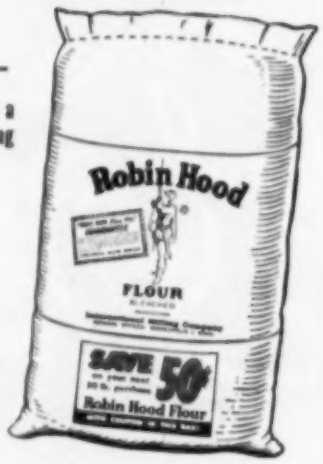
Go to your grocer now and buy Robin Hood Flour. With every bag you will get a coupon which you may use in part payment the next time you buy this wonderful flour.

Try this great flour and get the most flavorsome bread . . . the tenderest pastry . . . the lightest, fluffiest cakes you ever ate. Hear your whole family tell you how wonderful all your baking is when you use Robin Hood Flour. Next time you are at your grocer's ask for Robin Hood. *Act now! This offer good for a limited time only!*



Look for this special bag of Robin Hood at your grocer's now. If you do not see it, ask your grocer for it.

Robin Hood Flour.

Waiting for lunch . . .

FIKE GERDES, Sac county, Iowa, sits at the table in the kitchen of the new farm house he and his wife planned and built. Service counter divides the kitchen. Cupboards are made of birch.

Cookery corner

Barbecued Ribs

- 3 pounds spare ribs
- 1 lemon sliced
- 1 large onion
- 1 cup catsup
- ½ teaspoon chilli powder
- ¼ cup worcestershire sauce
- 1 teaspoon salt
- 2 cups water

Place the ribs meaty side up, in a roasting pan. Place one slice lemon and one slice onion on each piece. Toast in a pre-heated oven 450 degrees for about 30 minutes or until meat is browned.

While the ribs cook, mix together in a saucepan, the catsup, worcestershire sauce, chilli powder, salt and water. Bring to a boil. Pour off the fat that has collected in the bottom of the roasting pan. Pour the hot catsup sauce over the ribs. Turn the oven down to 350 degrees. Continue to cook for about an hour until the ribs are tender. Baste the ribs about every fifteen minutes.

Hard Meringues

- 4 egg whites
- ½ teaspoon baking powder
- 1 cup sugar
- ½ teaspoon salt

Beat egg whites with baking powder until foamy. Add sugar a small amount at a time and continue vigorous beating. Add salt. Beat for about 10 minutes with an electric beater or until the texture is stiff and shiny. Grease a baking sheet lightly, then dust with corn starch. Drop egg mixture by teaspoonfuls and bake in a slow oven (250 degrees) about an hour.

Fill meringues with ice cream, fruit, custard or combinations.

Lemon-Walnut Dessert

- 1½ cups sugar
- 1 cup walnut meats
- ½ cup butter
- 1 teaspoon vanilla
- 2½ cups cake flour
- ½ teaspoon salt
- ½ cup milk
- ½ cup water
- 4 egg whites
- 1 cup whipping cream

Spread sugar and nuts on waxed paper. Crush well with rolling pin. Place in a bowl with butter and flavoring. Beat until light and fluffy. Add the sifted dry ingredients alternately with the milk and the water, beating until smooth. Fold in egg whites beaten until stiff but not dry. Pour into two well-greased cake pans. Bake in a moderate oven (350 degrees) about 30 minutes. Cool and spread with the following lemon sauce.

Lemon Filling

- 1½ cups sugar
- 4 tablespoons corn starch
- 4 egg yolks
- 4 tablespoons lemon juice
- 1¾ cups water

Mix all together in a saucepan, place over heat and bring to a boil. Cook one minute. Remove from heat and stir in one teaspoon grated lemon rind and one teaspoon butter. Cool.

Ginger Snaps

- ⅔ cup lard
- 1 cup sugar
- 1 egg beaten
- 4 tablespoons molasses
- 2 cups flour
- ¼ teaspoon salt
- 2 teaspoons soda
- ½ teaspoon ginger
- ½ teaspoon cloves
- 1 teaspoon cinnamon

Sift dry ingredients three times, add lard, molasses, and egg. Roll a piece of dough the size of a hickory nut in granulated sugar. Place on ungreased cookie sheet. Bake at 400 degrees for eight or ten minutes. Cookies puff up at first, then flatten out with crinkled top.

MRS. FRANK WEST, Carroll county, Iowa, planned to have one whole end of her new bathroom built into cupboards, shelves to provide much needed storage space.

Wait five years for bathroom

HOW long did you have to wait until you got a bathroom in your house? Five years, 10 years or were you lucky enough to get it right away?

Mr. and Mrs. Frank West of Carroll county, Iowa, waited five years. Like all good farm wives, Mrs. West knew when they bought the farm five years ago that outside improvements had to come first. There were hog houses and corncribs to be built and machinery to be purchased.

Last summer Mr. West came in the house and said to his wife, "I've hired the men to put in our bathroom."

"But how are we going to pay for it," gasped his surprised wife. Mr. West pointed to his herd of cattle in a nearby pasture and said "They are going to pay for it."

And so the new bathroom was started. It was something of a problem to know where to locate it. But after some consideration they decided to rebuild an old back porch. It was large enough that a partition down the middle would make a utility room at one end and a conveniently sized bathroom at the other.

The first thing that had to be done was to put a new foundation under that side of the house. Insulation and new siding made the old porch into a good tight room. A window in the dining room, that had previously opened on the porch, was made into a door into the bathroom. The utility room has a door into the kitchen as well as one leading outside.

A large storage tank on the hill back of the house supplies water for both the house and the barn. Gravity can take care of the water supply in case of a power failure.

In the course of the summer the bathroom was completed. Now it is an attractive room with good lighting and fixtures and floor covering.

What does it cost to build a bathroom in an old house? Mrs. West says that her figures show that they spent a little more than $850 for building materials, fixtures, labor, wiring, etc.

Mrs. West especially enjoys the storage space that fills one end of the new bathroom. Drawers and shelves for linens and bedding occupy this space.

Five years is a long time to wait for a bathroom but both Mr. and Mrs. West feel that it was worth while. They enjoy its convenience all the more.—Z.M.

MRS. WEST kept an itemized account of the costs that went into the bathroom. She feels that the money was well spent.

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For *dependable* performance, at all times, choose Philgas! No worries about interruptions due to winds, ice or storms. Your Philgas supply is safe in your back yard. And Philgas brings city gas convenience right into your kitchen. With a beautiful automatic Philgas range, cooking is completely automatic. Refrigerate with Philgas, too, and get all the modern features you've wished for!

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Philgas costs little to install. It is exceptionally clean and economical to use. Because you can count on it for dependable performance in all weather, it's ideal for heating brooders and for many jobs around the farm.

PHILGAS IS THE BEST ALL-ROUND FUEL I KNOW!

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It's Performance That Counts!

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Philgas is our name for high quality LP-Gas—Bottled Gas—Butane—Propane.

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PHILLIPS PETROLEUM COMPANY, BARTLESVILLE, OKLAHOMA

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NO RINSING!

Perfex does the hard work for you — by **dissolving** dirt, grease and grime! Can't be equalled for washing floors, painted walls and woodwork. Won't harm surface or take off paint. **Just wipe off dirt**— no rinsing necessary. More than 100 different uses in the home and around the farm. The **one** cleaner you can **use for just** about **every** purpose!

Concentrated, economical to use. Small box makes 25 gallons of cleaning solution for about 1c per gallon. Keep on hand all the time.

NO OTHER CLEANER CAN BE USED SO MANY WAYS!

Cleans by *dissolving* dirt, grime and grease!

Perfex ALL PURPOSE CLEANER

GERANIUMS 2 DOZEN PLANTS POSTPAID $2.50
These are strong young plants that will be found very satisfactory for planting in the yards or garden. PLANTS ARE READY FOR DELIVERY APRIL 15th to JUNE 15th. Any color or mixed.
BUCKLEY GERANIUM CO. Springfield, Ill.

Grow your complete herb garden
from carefully selected seed. Ten large packets $1.00 plus cultural instructions and information describing cooking, aromatic and medicinal uses.
HAPPY APACHE SEED CO.
Box 2069, Terminal Annex, Los Angeles, California

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Sparkling deckle-edge "DATED" PRINTS delivered in plastic bound MANDO-Pac Albums AT NO EXTRA CHARGE. Jumbos: 8 exposure rolls 35c, 12 exposure 55c. 5c roll for PF&H.
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Roll of 8 exposures 40c. Roll of 12, 55c. Reprints 5c each. High quality Giant size deckle edge pictures in attractive albums. Free mailers.
Sheffield Photo Service, Box W, Sheffield, Illinois

CHRYSANTHEMUMS—Hardy, beautiful. Bloom this fall. 12 (4 varieties) $1; 36 (12 varieties) $2.50. Postpaid. **Burnett Gardens, Hudson, Ind.**

TOMATO PLANTS—Roots moss-ed. Earliana, John Baer, Marglobe, Rutgers. 200 $1.00; 300 $1.25; 500 $1.75; 1000 $3.00. Postpaid.
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SEND WOOL to us for FINE BLANKETS. Free information.
West Texas Woolen Mills, 441 Main, Eldorado, Tex.

24 JUMBOS from 12 exposure rolls developed 35c. With this ad only.
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All prints are made jumbo deckledged in plastic bound cover. Ad must accompany order.

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20 Wallet prints $1.00 from one picture or negative.
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Dept. W Charles City, Iowa

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With this ad, one roll of film developed and one enamel finish jumbo print from each negative in an Album folder, **plus** one 5 x 7 Super Gloss enlargement in a plastic bound cover—

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25 Wallet prints $1.00 from one picture or negative.
MIDLAND PHOTO CO.
Dept. WA Charles City, Iowa

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Win a round trip to Chicago and full week of fun, expenses paid! Pfaff Zig-Zag sewing machine, Sentinel 21" console TV, International Harvester freezer-refrigerator, Laundry Queen automatic washer, Northern Electric sheet, smart cotton wardrobe!
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Brand name of product I prefer in cotton bags

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If you are about to move be sure to send THE WALLACES' FARMER AND IOWA HOMESTEAD both your **OLD** address and your **NEW**, so that you will not miss any copies of the paper. Notify us at least two weeks before you move.

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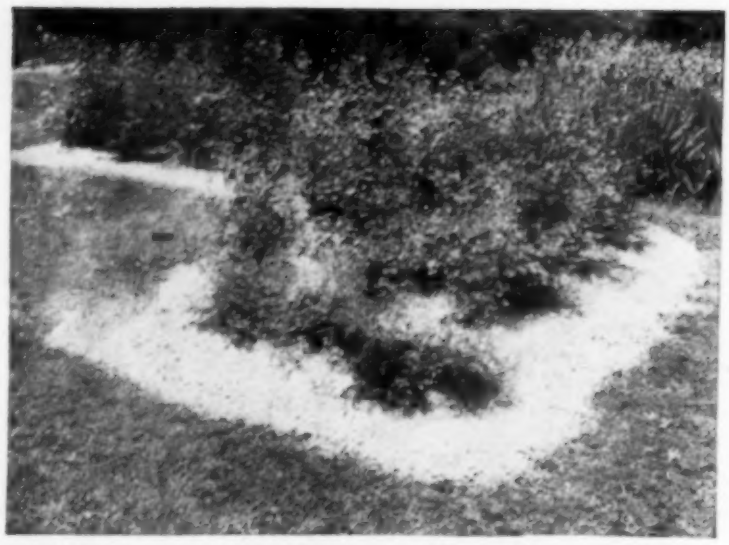
Des Moines, Iowa



BEAUTIFUL ROSE GARDENS at Iowa State College are mulched with a layer of ground corn cobs to hold moisture and keep down weeds. This is usually added in May after plants are well leafed out.

Country air

IF YOU have a particular woodsy spot that you love to visit year after year there's always a new surprise for you each spring. My favorite woodsy spot now is our small state park that is left pretty much the way nature intended it to be.

My niece and I were inspecting a colony of scarlet fungus. There were many of them spangling a hillside of decaying brown leaves like velvet sequins. I had never seen them so large—one almost two inches across. Neither of us could remember their name—if we ever had known it.

As we walked in the soft leaf loam of the hillside we stumbled across our surprise. A portion of a fallen tree trunk made a perfect natural "planter." From its state of decay it might have lain there several years. The end next to the base of the tree was slightly hollow and the accumulation of leaf loam, wind blown dust and decayed wood had built up a thin layer of soil in this receptacle. It made up for its lack of depth with soft fertility.

There in this natural planter was a colony of some twenty fuzzy little ginger root plants. So rapidly had they grown with a few warm days that some were still wearing cauls of dead oak leaves over their heads. So rapidly had they grown that they were already half-size with their leaves still at the fresh silvery green stage of a baby leaf.

How did they get into that "planter?" It was at least 10 feet to another ginger root. They couldn't have climbed over the rim of the log. Apparently they do not grow by root stock.

It was about six days and three hard rains later before I drove that way again. The fuzzy leaves were a proper mature green, several new plants had joined the colony and rusty little tricorns of bloom were appearing shyly at the roots. Two plants of lacey Dutchman's breeches had filled in the planter for leaf contrast.

My joy was complete that day to find around the fallen log numerous delicate spikes of tiarella cordifolia — the creamy little foam flower. Color was added by clumps of spring beauties in delicate pink. What a pity it would have been if an over zealous custodian had cleared away the fallen log. As I drive along this summer I'll watch my planter to learn what sort of seed pod ripens at the juncture of the ginger root leaves.

On around the park where pine needles lie thick over a rocky hillside there were a great number of bloodroot blossoms thrusting their pure white pearls up thru the protection of its enfolding green leaf. I don't think I ever saw bloodroot growing out of ground covered with pine needles. I suppose they supply the same plant food that oak leaves do.

I wish that everyone could live near a little spot of nature that man in his efficiency has left unspoiled by tidiness.

The wet spring has been unusually good for wild flowers. Hepaticas and anemones—both rue and wood varieties grew very tall stems. So did Dutchman's breeches and dog-tooth violets. As children we used to call the delicately reflexed petals of the latter kiss-me-dears—a name I like better than either adders tongue or dog-tooth violets.

Nature in the raw is seldom mild. The gorgeous movie by Disney—"The Living Desert"—that was made with such skill and patience bears out the truth of this statement. But every spring the wild flowers delicately flout violence when their natural enemies — people — leave them alone.—**Elizabeth C. Wherry.**

Betty Lou Stewart, Appanoose county, Iowa, learned textile painting and embroidery in her 4-H club work. She will use these things in her own home. Picture was taken a week before her marriage.

Why not plan a sundae party?

This is a party that makes a feature out of fixings

RECORDS, dancing, games, stunts—you can take them or leave them. But no party is complete without food.

Whether you serve first, last or all the time the party is sure for success. And teen-agers can store away unbelievable quantities. Cost might be the only controlling factor on the variety and amounts of ice cream and sauces that you serve. So let Mother and your own conscience be your guide.

You can set up formally at the dining buffet or informally at the kitchen corner. Plan to have three kinds of ice cream, chocolate and caramel sauce, maraschino cherries, fresh strawberries or preserves, bananas, chopped nuts and whipped cream, if you like. Something like a soup dish should be adequate.

For the soda fanciers you might provide a bottle of carbonated beverage and straws and tall glasses. After you set the stage, the gang is on its own. You can't be responsible for doctor bills.

After a soiree of this type you'd think the party would settle down in a quiet way to palm reading or listening to tunes under the May moon.

CARAMEL SAUCE

Recipes for chocolate sauce are dime a dozen and most all good. Caramel is tricky and difficult but the golden luscious results can be well worth the effort. Don't confuse butterscotch (brown sugar) with true caramel. For a party do plan to make it the day ahead. It keeps well.

1½ cups sugar
1 cup boiling water
¼ teaspoon salt
½ teaspoon vanilla
2 tablespoons butter
¾ cup warm cream

In a heavy iron skillet melt the sugar, stirring constantly with a wooden spoon. As the sugar begins to melt watch carefully so that it does not get too brown—it burns quickly. Try for a beautiful amber color.

When in a liquid state add the boiling water slowly, keep stirring until all in solution. Boil down for about five minutes.

Remove from heat, add the salt, vanilla, butter. Add the warm cream gradually, stirring until well mixed.

Makes about 1¾ cups syrup.

Learn About Careers

TEENAGERS graduating from high school this spring and all those thinking about careers will be interested in a series of pamphlets that are available for the asking.

Do you want to be a lawyer, newspaperman, doctor, teacher, architect, aeronautical engineer, public servant, farmer, salesman, accountant, chemist, nurse? These are the pamphlets that are now available and more are being prepared from time to time.

Each one is an excellent story of the particular profession; each is prepared by an outstanding leader in the field. The pamphlets are titled "Should Your Child Be a Lawyer?" etc., and you may ask for as many as interest you. Write New York Life Insurance Company, 51 Madison Avenue, New York 10, N. Y. If you have some career in mind which is not listed you might suggest that subject as possible material for another pamphlet.

Another pamphlet available from the same company is "The Cost of Four Years at College," listing many schools thruout the United States, giving their enrollment and the total average four-year cost.

Teen-agers
By
Kay Hergenrather

easier, better cooking with a *Caloric* gas range

WHITE SANDS 36" Range (Illustrated) Other models: PALM SPRINGS 40" Range, SEA ISLE 24" Range

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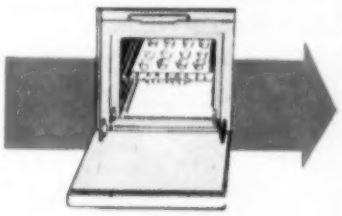
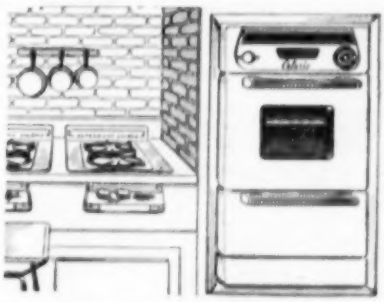
NEW ROTO-RAY BARBEQUER — Now, you can barbeque juicy meats to perfection. Caloric barbeques meat evenly, automatically. Special motor turns the spit slowly under the radiant burner. Detachable handle lets you carry the delicious meat to the table, while still on the spit.



NEW PASTRY OVEN— If you prefer, you can have a pastry oven instead of the barbequer in the 36" or 40" models. This gives you two-oven convenience . . . a full-size oven, *plus* a 13" pastry oven for pies, cakes, rolls, casseroles, etc.

NEW BUILT-IN UNITS— Increase efficiency! Give your kitchen that "years ahead" look. Installed in walls or kitchen cabinets.



See Caloric before you buy your new range or plan your new kitchen

Easy, effortless clothes drying

Caloric's *exclusive* HI-BREEZE, LO-HEET principle gives you safe, faster, more economical clothes drying. See the Caloric automatic gas dryer at your Thermogas or Rapid Gas dealer.

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Put garbage and trash in a Caloric gas disposer. Foot pedal makes loading easy. Odorless, smokeless, safe, very economical.

*The preferred LP Bottled Gas Service.

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keep your birds on

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Ren-O-Sal
DRINKING WATER TABLETS

STIMULATES GROWTH

Ren-O-Sal helps pullets mature earlier, lay up to 15 days sooner. Continuous use develops added vitality to lay up to 12 more eggs per hen.

PREVENTS COCCIDIOSIS

In proper dosage, Ren-O-Sal prevents spread of cecal coccidiosis. Helps birds overcome "disease burden." Saves death, stunting and feed losses. More birds *live* through the laying season.

Get bigger egg checks! *Keep* chickens on Ren-O-Sal. Buy today!

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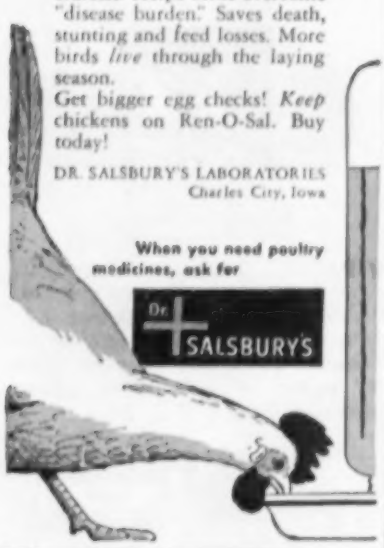

When you need poultry medicines, ask for
Dr. SALSBURY'S

BIRDS DROOPY? PRODUCTION OFF?

Is your flock below par? It may be simply a "stress factor." Try Corn King SuperCharger! It can boost production up to 70% in 2 weeks. Simple to use and very low in cost. 2 lb. package treats 200 lbs. all mash feed, only $1.95. Order today from your dealer or write direct.

Corn King
8-10 CEDAR RAPIDS, IOWA

QUAD-SULFAS
PREVENTS and CONTROLS
- COCCIDIOSIS cecal and intestinal
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Aids for Poultry
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Leghorns, Austra-Whites, Minorcas, $8.45; Pullets, $16.95. Rocks, Reds, Wyandottes, Hampshires, 8.45; Pullets, $12.95. Heavy Assorted, $5.85; Mixed, $4.95. Leftovers, $1.95. F.O.B. 26 Breeds. Blood tested. No culls, cripples. Catalog. BUSH HATCHERY, Clinton, Missouri.

Don't neglect layers while caring for replacement chicks. Extra care of flock now will mean more eggs when prices are higher. These hens are owned by George Hora of Washington county, Iowa.

The farm flock

Poultry Needs Ration That's Balanced

Overfeeding either grain or mash cuts poultry profits, says Harold Yacowitz, Ohio experiment station poultry specialist.

Overfeeding grain results in poor growth in chicks and low egg production in laying flocks. Poultrymen who feed too much mash and not enough grain raise feed costs without increasing production.

Benefits From Fast Egg Handling

From the hen to the consumer in 24 hours is getting eggs to market in a hurry. That's what some large food distributors in Texas are doing. And it has made them extra money.

Mechanical equipment speeds up grading and candling eggs. Candling production lines have work stations for several candlers.

Cases of eggs are fed to candlers on gravity conveyors. The conveyors end at a roller ball table which serves the candlers.

Each candler then sorts eggs according to quality, grade and size classes. Top quality eggs are packed in one-dozen cartons and the others in flats and fillers.

Cartoned eggs are moved from the packing table by conveyor belt. A Federal grader checks the quality of the cartoned eggs.

Eggs are then packed in cases and stacked on skids. The skid load of 24 cases are moved to cooler by a low-lift electric truck.

When eggs are ready to be loaded on refrigerated trucks for delivery to wholesale distributing stations, the electric lift truck moves them into the truck. One man can load a truck in a few minutes.

This fast egg marketing system was developed by F. Z. Beanblossom, poultry marketing specialist at Texas A. & M. College and N. G. Paulhus, agricultural economist for the Agricultural Marketing Service.

The faster egg marketing has resulted in larger returns to producers and more profit for handlers. The greater satisfaction of consumers increased the volume of top quality eggs moved under the program.

Hens Start Work Early In The Day

Up and at the work of the day at 4:30 a. m., that's the schedule of my hens.

Since they start their work so early, my first poultry chore is going to the poultry house with a wire basket to gather the eggs.

However, the hens have been busy for several hours before I visit them. Feed and water have been put out the night before. What's the encouragement in getting up if the hen can't have breakfast?

By nine o'clock, more than one-half of the day's egg production is in the nests. By gathering the eggs already laid early in the morning, many soiled eggs will be avoided.

Only one broken egg can soil a nestful and make the flock owner sorry he didn't pick them up while they were clean.

Each hen that gets on the nest keeps all the eggs in the nest warm. A constant succession of hens will keep the temperature up and lower the egg quality. After several hours of this warmth, the grade A egg is now a grade B. All day in the nest on a hot day could lower the quality still further. Gathering eggs at least three times a day is necessary to produce quality eggs.—Mrs. Pauline Harland.

DEAD HENS should be buried or burned. If other hens are allowed to pick a dead carcass, they may also get the disease.

TREAT BUILT-UP LITTER with LIME

And the best lime to use is Snowflake Hydrated Lime . . . it's a quick-acting, high-calcium lime that is easy to use, easy to handle. Tests prove that lime-treated poultry litter saves labor; can be used longer; is more sanitary. Try treating litter with Snowflake Lime. You'll like the results.

Your local Ash Grove dealer has information on this use of Snowflake Lime. See him!

10 & 50-lb. Bags

258

ASH GROVE Snowflake HYDRATED LIME

Remarkable Results

Raising Baby Chicks

Mrs. C. M. Bradshaw, Diagonal, Ia., says: "I have been using Walko Tablets for 35 years with splendid results. I would not think of trying to raise Baby Chicks without them. I also use them for my grown birds with the same satisfaction."

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 60c, $1.20, $2.50 and $4.00.

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Forget rupture pain and worry from trusses that gouge your thighs, hips, or spine — that may aggravate your condition! Cluthe GUARANTEES TO HOLD your reducible groin rupture (inguinal hernia) against strain, with comfort you never dreamed possible. You can work and play again without nagging fear or embarrassment. Amazing lightweight Cluthe has been tested and proved in 500,000 cases, is individually made by Master Fitters to YOUR measurements. No cutting springs, no straps, no harness to bind your skin. 100% waterproof and sanitary. Wear it bathing or swimming. Send for FREE book, "Help for the Ruptured". Gives scientific, authoritative facts on rupture care and details of UNCONDITIONAL GUARANTEE and 60-day trial offer.

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TELL THE
ADVERTISER
that you are writing him through his advertisement in WALLACES' FARMER AND IOWA HOMESTEAD

Laying house on Ivan Lokenvitz farm in Floyd county, Iowa, will be full of pullets this fall. Replacement chicks were ordered early. Here Lokenvitz cleans an automatic waterer. One of his daily chores.

Stick with layers

EGG outlook is good. But lots of farmers have empty brooder houses. Production will be below last year and prices should be higher.

"In" and "out" poultrymen jump in when prices are good and out following low prices. "You should either stay in or out of the egg business," says a Mitchell county, Iowa, farmer.

Commercial hatcheries produced 30 percent fewer chicks for laying flock replacements during the first three months this year than in the same period last year. That's the U. S. figure. For Iowa, hatchings were down 35 percent.

Empty laying houses won't return any money on the investment. And depreciation doesn't stop on laying house and equipment when not used.

A Floyd county, Iowa, farmer, Ivan Lokenvitz says, "I just built this laying house last year so I can't go out of the business." His laying house holds 600 layers. And he ordered 700 early chicks for replacement.

If you didn't order chicks this year, started pullets would put you back in the egg business. But be sure that started pullets are free of disease. And pullets were bred for egg production.

Fewer layers, smaller egg supply, high wages and more people to feed, combine to make this look like a good year for egg producers.

Healthy hens that have plenty feed and water will shell out the eggs. Roll-away nest helps keep eggs clean. Good management pays for Lokenvitz.

Annual cost of a laying house remains about the the same whether it's empty or full of layers. The depreciation of laying house may be more if it's empty. Protect your investment by using laying house each year.

GET EGGS EARLY WHEN PRICES ARE HIGH

FEED...PROVED-ON-THE-FARM

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There is a VICTOR GROWING FEED to fit your individual needs.

FREE POULTRY PROFIT GUIDE *Ask Your VICTOR Dealer — or Write Us*

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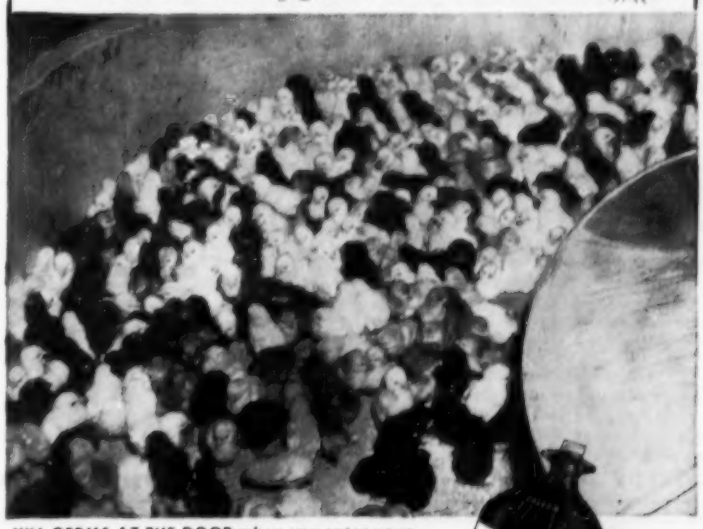

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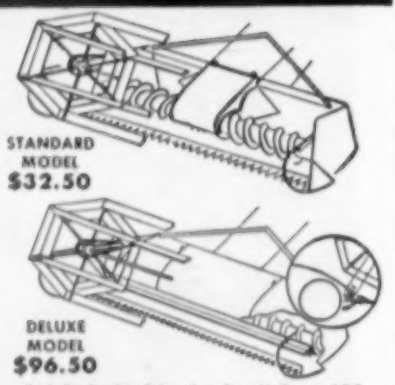

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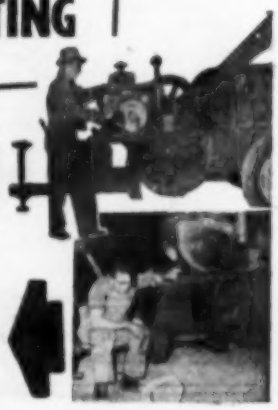

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DETHMERS MFG. CO. BOX W55 BOYDEN, IOWA

Looks like a special assessment on Dad's wallet. Waldo H. Denny, Keokuk county, Iowa, has separate livestock projects for Ruth Ellen, Paul and Ivan (right). Income goes into checking accounts for spending money.

Spending money for children

1. How should they get it?
2. How should they spend it?

YOU'D LIKE your children to know the value of money. Big problem is how do you teach that lesson effectively?

The Wallace-Homestead Poll asked Iowa farm folks, "How should farm boys aged 12 to 16 get their spending money?"

Some folks gave more than one answer, so percentage will add up to more than 100.

But here's how they voted:

	Percent
Allowance	31
Profit from livestock or crops of their own	59
Pay for work done on home farm	18
Work for neighbors	22
Percent of return from part of farm business	14
Other	1

An O'Brien county homemaker favors allowances. She says, "Both boys and girls should have allowances. Then they know just how much they can spend. And they should be taught to save some of their money."

A big share of farm folks liked the idea of helping boys get spending money from livestock or crops of their own.

"Boys take a better interest in farming if they have some livestock of their own," thinks a Des Moines county woman.

Not many farm folks liked the idea of paying boys for working around home. A Union county farmer says, "I don't believe in paying for work done at home, but I think boys should have livestock or crops of their own."

Working for neighbors ranked third in the list.

A young Union county farmer says, "I think both boys and girls should have a chance to work away from home. It's good for them to work for some one besides their father or mother."

Now, about a percent of return from part of farm business.

In Greene county, a father of a grown son says, "When my son was growing up, I gave him a share of the farm work and of the income."

"When he left to farm on his own, he had a good start and actual farming experience. Now, he has done better than I have. And I'm proud of him. But I'm sure the home experience helped him do it," he adds.

Now, what about spending money for girls? The Wallace-Homestead Poll asked the same question for girls aged 12 to 16. Replies added up this way.

	Percent
Allowance	45
Share in poultry or garden sales	30
Pay for work around home	22
Baby sitting or other work for neighbors	22
Other	6

Again, farm folks had rather definite ideas.

A young Clayton county mother says, "I think they should have a small allowance. They shouldn't be paid for routine work around the home. Maybe a little bonus for special jobs like house cleaning or driving the tractor would be all right."

An older man in O'Brien county says, "Girls should have a share of poultry for their money. They won't spend it so fast if they have to work for it.

The idea of baby sitting met some stiff disapproval.

"I don't like little girls baby sitting. Something might happen to them," warns an older farmer in Union county.

"I'm against baby sitting. I sit with my own children, or they go along with me," declares a young Jasper county homemaker.

"I would rather give my girls

(Continued on next page)

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How should they use money?

(Continued from last page)

a share in the chickens or garden than have them away from home at night baby sitting. They need their rest when night comes. And I like to have them at home," declares a Greene county homemaker.

Yet some folks felt baby sitting was a good way for girls to earn money. A Jefferson county woman says, "Baby sitting is what my girls do. And I think they should save part of the money they earn."

A Linn county mother brought up a different point about children earning money. "With so many school and community activities going on, my daughter doesn't have time to earn spending money," she insists.

Then came the question of how should the money be used. The Wallace-Homestead Poll asked, "What should boys and girls do with the money they get?"

Answers stacked up like this:

	Percent
Buy their own clothes	29
Spend only for small items like candy, movies, etc.	17
Use for school expenses	23
Save part of it	63
Other	6

Saving got the big vote. In Clayton county, a father of grown daughters says, "I believe in teaching thrift while children are young. They may not learn it in later years."

But not all folks agreed. "Let them spend it the way they want to and have a good time while they are young," advises a Union county grandfather.

"Children should spend their own money any way they want to," agrees a Madison county farmer.

A lot of people thought buying clothes was good experience for children. A farm owner's wife in Jefferson county says, "Children shouldn't have too much money. They should buy their own clothes and use part for school expenses. Mine did."

A young Clay county man says, "I like to see kids earn their own spending money. And buy some of their own clothes. Mine do. They seem to appreciate clothes more. And take better care of them, too."

A Clayton county mother of teen-agers says, "I do think they get a better idea of how much clothes cost if they have to pay for some once in a while. But I don't think they should have to buy all their own clothes."

A Page county mother says, "I don't think they should have to buy their own clothes. But spending money should include a little for the church."

In Bremer county, a homemaker declares, "Kids have too much money these days. And they don't appreciate it. When I was a kid, I had to earn every cent I got. And, believe me, I was careful how I spent it."

If you have children, probably there's no single idea that fits all your family needs. But a combination of two or more might be the best answer.

'Now! THE STRUNK SpeeDemon is a BIGGER BARGAIN THAN EVER!

IT'S EXTRA RUGGEDIZED! *New!* "Hardite", "Dimondite" and "Rite-Oil-Flo Dimondite" Guide Bars now last longer under severe usage than any other guide bars in the field.

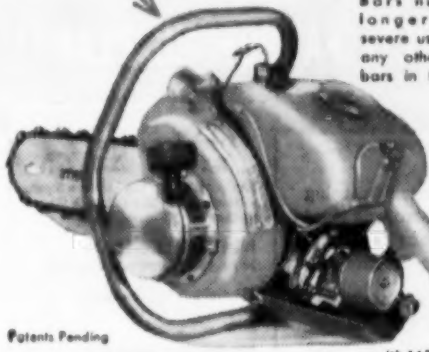

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Photo courtesy Portland Cement Association

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By providing dry, sanitary, well-ventilated quarters that afford protection from the elements, these farmers can raise and send more of their pigs to market. And a concrete feeding area saves additional pigs by eliminating mudholes and other foul breeding places of parasites and disease germs. A farrowing plant like the one shown here is easy to build . . . will pay for itself through increased hog production.

Your Lehigh Dealer will be glad to give you more details on how to build this and other lifetime, money-making concrete farm improvements. See him next time you're in town.

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More questions about farmers'

Social security

We have our farm rented on a 50-50 livestock share lease basis. Will the income from the farm qualify us for social security benefits?

Rules for classifying income from a 50-50 livestock share lease have not been made by the Bureau of Internal Revenue. As soon as these rules are made public, we will bring them to you.

From information now available, it's doubtful that you would be qualified for social security benefits unless you actually operate the farm. Operation can be with hired labor or in any manner in which you maintain complete control of the farm.

You could form a partnership with your tenant and qualify for social security benefits. But this isn't advisable in most cases. Then you would be liable for each others debts. Such a partnership agreement could lead to trouble unless properly made, and both parties are completely honest with each other.

We have our corn land rented on shares We kept the pasture and hay land. We raise hogs and feed some cattle each year. Will the income from the livestock qualify us for social security benefits?

Net income from your actual farm operation will qualify you for social security benefits. But Leo Smith, manager of the social security office in Des Moines says, "You would have to deduct the fair market price of the corn from your income as an expense, even tho it was raised on your farm. The income after all expenses are deducted would qualify you for social security benefits if more than $400 a year."

I am past 65 years old and my farm is rented to my son. I help him on the farm during planting, cultivating and harvesting. If he pays me for the work I do, will I be eligible for social security benefits?

No. A person employed by his son or daughter is not eligible for social security coverage.

My wife keeps a large flock of layers. She does all the work, and the income from eggs belongs to her. Can she qualify for social security benefits on her income?

Yes. If your wife is actually self-employed and the net income from her chickens is $400 or more a year, she can qualify for social security benefits. She will need a social security card of her own.

If a farm wife qualifies for social security benefits on her income, what happens when her husband retires? Will she get a benefit from her social security, or will she have to take half her husband's benefit?

She can take the benefit from social security that is based on her own income. Or she can take half her husband's benefit, whichever is larger.

When we quit farming and retire and start getting our social security benefit checks, will my wife and I get a combined check for both benefits?

No. You will get a check for your basic benefit each month. And your wife will get a check equal to half your benefit.

We are both over 65 years old. Our net income from our small farm is about $1,800 per year. We don't pay any income tax since we are allowed a double exemption Can we pay the social secur-

(Continued on next page)

Keeps shoes clean . . .

Boot Cleaner and shoe scraper that's attractive and practical is in use on the Jake Pfisterer ranch, Sublette county, Wyoming. Scrapers are two pieces of strap iron welded between the horse shoes. Horse shoe nails hold the brushes. Shoes are bolted to the concrete walk.

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Every day more and more farmers are switching to KIDMAN'S. To help us handle our constantly increasing sales and expanding business, we urgently need reputable men for full or part-time work.

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Operate farm after 65?

(Continued from last page)

ity tax on our net income even tho we don't pay income tax?

You must pay the social security tax on all net income from $400 to $4,200 a year regardless of personal exemptions allowed on your income tax return.

We haven't been filing an income tax return since our net income has been below that allowed for deductions. Will it be necessary for us to file an income tax return just to pay the social security tax?

Yes. You must file an income tax return and pay three percent of your net income as social security taxes, if your net income is more than $400 a year.

I would like to stay on the farm after I'm 65. If I continue to operate the farm, can I get social security benefits?

Yes. But if your annual net income is more than $1,200, you will lose part of your benefit. This loss is one month's benefit for each $80 you earn above the $1,200. After you are 72, there's no restriction on income.

However, regardless of your annual net income, benefits are payable in any month in which you earn less than $80 in wages or do not render substantial services in self-employment. If you are actively engaged in the operation of your farm you perform substantial service.

Investment income does not count as part of the $1,200. Only the income you actually earn from self-employment or as wages can make up the $1,200.

We have been filing our income tax on a fiscal year basis. From March 1 to February 28. How will social security affect us?

You will pay three percent of your net income as social security tax when you file your income tax return this spring. Your social security coverage started with your last fiscal year. Net earnings from self-employment from any taxable year ending after December 31, 1954, up to $4,200 counts for social security purposes.

Since you are required to pay social security tax on your income from March 1, 1954, you will get three quarters coverage for 1954 and one quarter this year, for your last taxable year. This means you will complete your qualifying quarters of coverage as of September 30 this year. And if you are 65 or over you could retire then, if your net income between March 1 and September 30 is more than $400.

NEW VACCINE may control visceral lymphomatosis, one of the bad poultry diseases. The disease is sometimes known as "big liver disease." The vaccine is made from diseased chicken livers. Immunity in baby chicks is passed on from vaccinated mothers. More work must be done before vaccination is recommended for commercial and farm flocks.

I didn't know they built a MAN SAVER elevator like the VALLEY

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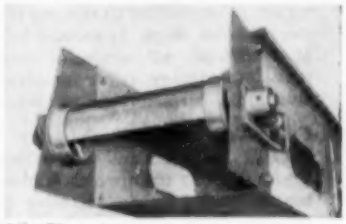
- EASY ON YOU. Exclusive Three-Speed Winch operates in an oil bath, making raising and lowering something a child can do. Exclusive Giant Clock Springs make raising and lowering the hopper a finger-tip operation.
- GREAT STRENGTH. Durable sections joined together like bridge girders—absolutely prevent sagging. Double chain drive and special ribbed flights provide easy and steady handling regardless of load.
- SPECIAL GALVANIZING. Longer lasting because the Valley is galvanized by a high heat process that actually fuses the protective zinc coat into the sheet steel.
- ADVANCED DESIGN. Wide baled-hay elevator rests on seven-foot wide automotive-type transport. All operating parts shielded for safety. Rollers replace sprockets in head section to prevent clogging.
Costly chain breakage is virtually eliminated by spring shock absorbers that protect the double chain drive.



No Clogging.
Rollers replace sprockets in head section. Elevates green chopped hay and ensilage without clogging.

Exclusive Automotive-Type Undercarriage. Reinforced channel type steel construction. Seven-foot wide for safety, especially in high winds.

VALLEY
See your Valley dealer or write to Dept. W
Manufacturing Co. VALLEY, NEBRASKA
Buy Valley . . . get the BEST

Pictured above is the Strawmaster attached to the Gockshutt 422 combine. Models are available to fit all popular makes of combines.

THIS NEW STRAWMASTER Solves the Straw Problem on all types of straw including Soybean

New model . . . designed for small combines

The Strawmaster attaches to all popular makes of combines, operates under the combine's own power, shreds the straw and spreads it evenly over the field. It eliminates straw raking and burning, and returns the straw to the soil as valuable humus.

STRAWMASTER ALSO AVAILABLE FOR LARGE COMBINES

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American Iron Works, Inc.
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BUY SAVINGS BONDS—THEY WILL HELP YOU LATER—BUY ALL YOU CAN—NOW!

COLUMBIAN
RED BOTTOM
STOCK TANKS

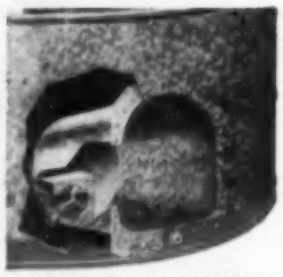
Favorite of Millions of American Farmers and Stockmen

for trouble-free service and long life

You get more years service from Columbian Stock Tanks because they are STRONGER ... fabricated from finest grade galvanized steel with precision machinery. Top rim is reinforced by heavy, hot-dip galvanized split tube, permanently anchored to tank top. It is impossible to remove this smooth, rounded top edge. It cannot injure stock. It withstands all strain of pushing and crowding. Heavy triple swedges increase sturdiness. All seams are sweat-soldered.

Columbian Stock Tanks stay WATER-TIGHT ... bottom and side walls are joined into a four-ply seam which is blown full of molten solder by an exclusive Columbian process. Your tank is completely sealed against leaking.

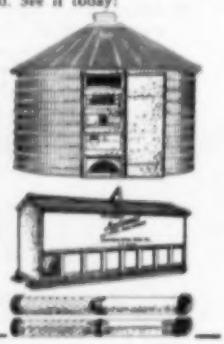
For over half century, Columbian Stock Tanks have served millions of farms and ranches. Available in round and round-end models, sized to meet every need. Be sure ... ask for Columbian and look for the Red Bottom!



EXCLUSIVE HOG WATERER

Hog raisers tell us, "This is the best ... exactly what we need." Large 12 by 14-inch opening accommodates largest hogs. Complete circulation on all sides of waterer. Bottom sloped for easy cleaning. Large drain plug flushes quickly. Built to last of heavy black steel, *hot dip galvanized after fabrication*. Brass valve and float protected by heavy guard. *Bolts to any stock tank*. Composition gasket and sealing compound. No special tools or solder needed. See it today!

SEE YOUR DEALER for better-built Columbian Red Bottom Stock Tanks. See also the new, improved Red Top Grain Bins for TIGHT storage ... "Automat" Hog Feeders ... Red End Well Casing. All are products built to the high standards famed and expected everywhere of Columbian. Write for free, illustrated catalog.



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CATTLE FEEDERS!
LEARN HOW GOOD SILAGE MAKES TOP QUALITY FEED

DOUBLE THE VALUE OF YOUR GRASSES WITH
XTRALAS
HEAVY MOLASSES PELLETS

Xtralas (now fortified with M-8-C) lets you cut your crop anytime ... in rain or shine. Insures your silage against spoilage, for VERY LITTLE COST! More palatable molasses flavor. Easy to use. Write NOW for full details.

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Choice of 2 motors to fit your needs, friction or absolutely no-slip gear drive, full 26" cut.

WRITE—free folder and dealer name.

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Farm News Briefs

SATURDAY, June 4, has been selected as the date for this year's Iowa State College Agricultural Engineering field day. Site will be the ag engineering research farm south of Ames. Features will include a demonstration of the effect of engine tuneup on tractor fuel consumption, crop processing equipment, and others.

▼ ▼ ▼

ILLINOIS dog owners were advised that June 1 is the 1955 deadline for inoculation of their pets against rabies. Warning comes from the state department of agriculture. Under provisions of the Illinois rabies control act, all dogs "running at large" must be inoculated annually. Dogs confined at all times or muzzled when at liberty are exempt from the act.

▼ ▼ ▼

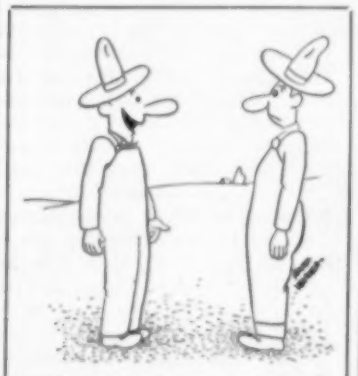
IOWA TREE FARM program will be launched May 30 at Garnavillo in Clayton county. Gov. Leo Hoegh will be the main speaker. In Iowa, Tree Farms are certified by a group of foresters and sponsors representing the Iowa Tree Farm Committee. To qualify as a Tree Farmer, a landowner must demonstrate ability to protect trees from fire, destructive grazing, disease and insect damage. Purpose of the Tree Farm program is to improve lumber supplies and to help farmers make more money from trees.

▼ ▼ ▼

LAMB MARKETING clinic is scheduled for Friday, June 3, at Cedar Rapids, Iowa, at the Wilson & Co. yards at 9 a.m. According to Eugene Francis, sheep specialist at Iowa State College, farm flock owners will get a chance to practice grading market lambs and get up-to-date information on feeding and management.

▼ ▼ ▼

COMING EVENTS: May, Beef Month; June, Dairy Month; Lamb Marketing Clinic, Cedar Rapids, Iowa, June 3; Agricultural Engineering Field Day, Iowa State College, June 4; National Plant Food Institute, White Sulphur Springs, W. Va., June 12-15; Iowa Farm Bureau Women's Federation Meeting, Des Moines, June 26-28; National Duroc Congress, Hawkeye Downs, Cedar Rapids, Iowa, July 28-30.



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EASY Monthly Payments

- 1-2-3-4 RHYTHM MILKING ACTION ... gets more milk ... easier on cows.
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- $50 CASH WARRANTY of Increased Production and Better Milking.

Don't decide on any milker at any price until you have the facts on the sensational advantages given by the new, improved GLOBE 1-2-3-4 Rhythm MILKER. Single or double milking units for any size herd. Get low, direct-from-factory price and EASY TERMS that let your milker pay for itself. Just $5 down and monthly payments amounting to only 31c per day till paid for.

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NEW! Champion
HAY BALE LOADER

Loads up to 25 Bales per Minute ... Operates from Tractor Hydraulic System

only $158.50 complete

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FREE! If your dealer doesn't have information on the CHAMPION Hay Bale Loader, send name and address on postcard for FREE illustrated literature and full details. (Dealer inquiries invited.)

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LABAWCO PUMPS
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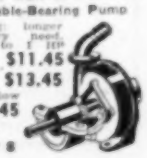
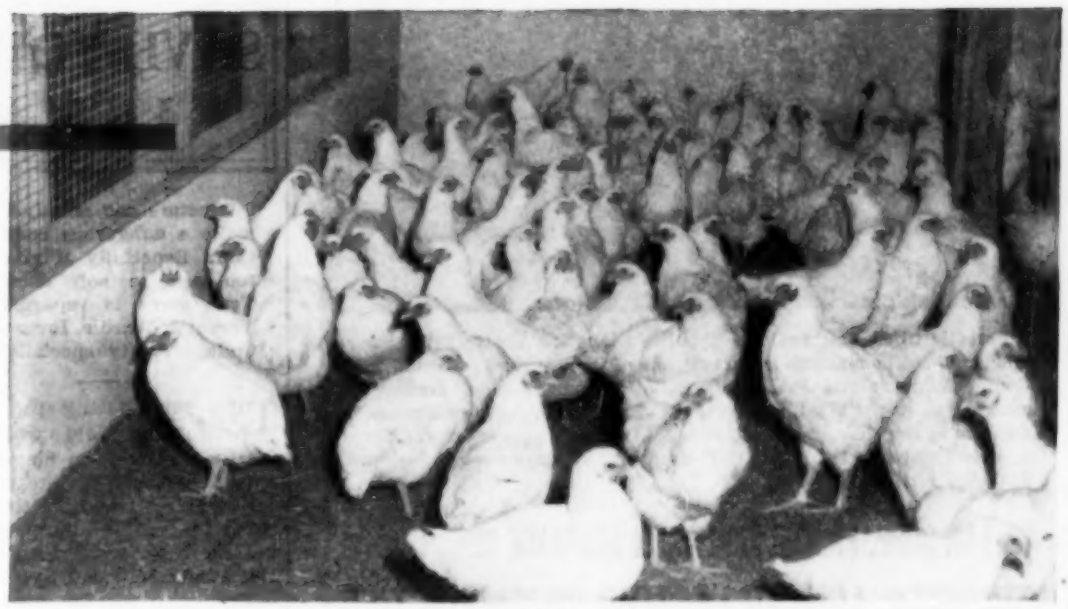


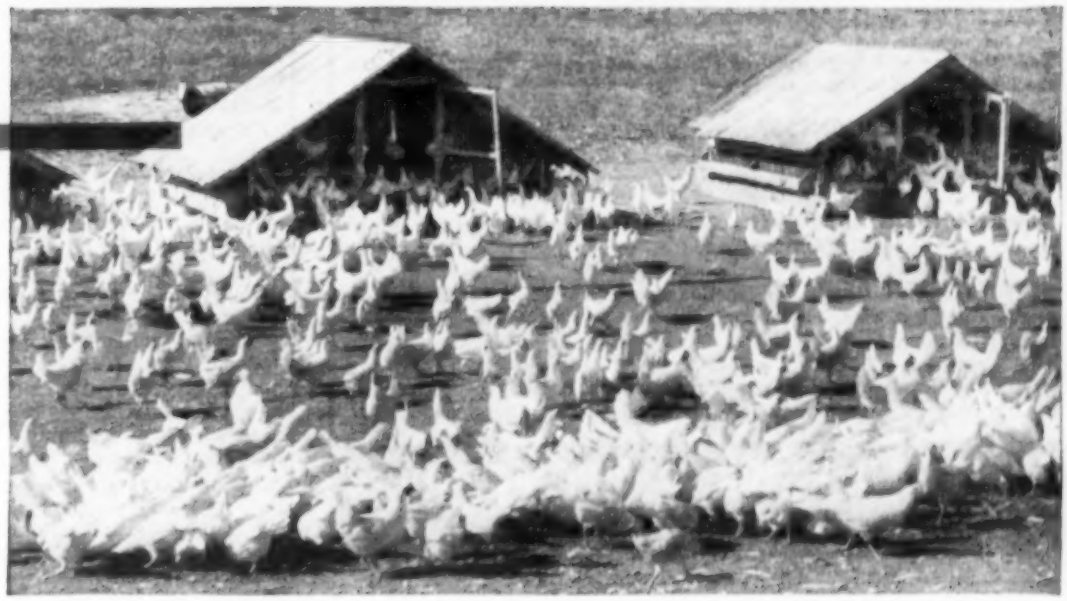
Confined

- less labor
- less disease
- no predator loss
- lower death rate



Range

- less feed to buy
- lower housing cost
- uses present equipment
- fits present operation



For pullets . . .

Range or confinement?

SOME Iowa poultrymen find it pays to raise pullets in full confinement. Robert McVicker, poultryman at Iowa State College, says there's a reason: Modern feed and management know-how are shifting the advantage away from range rearing.

Here are the advantages McVicker sees in full confinement:

1. Disease control. Confined birds don't contact old hens, or pick up disease in the barnyard. And they don't get diseases brought in by birds, animals and people.

2. Predator control. Dogs and wild animals are serious threats to poultry on range in some parts of Iowa.

3. Protection from the sun. Too much midsummer sun slows up gains, reduces feed efficiency and makes chickens less thrifty. Modern feeds provide enough vitamin D to substitute for sunshine.

4. Saving in labor. It often takes over twice as long to tend properly to chickens on range as in confinement.

Now what about equipment? You need an extra chicken house. For range rearing, you need special shelters. That balances part of the cost of a house for confinement rearing.

Saving in disease and death losses along with reduced labor have to pay any extra costs and leave a profit. In more than half of Iowa's poultry flocks, these savings would more than pay the extra cost, McVicker thinks.

Mr. and Mrs. R. P. Joseph of Delaware county switched from range to confinement rearing for their pullets in 1952. On range it cost an average of $1.76 to raise a pullet to laying age.

In their first year of confinement rearing, they produced laying pullets at an average cost of $1.29 per bird, McVicker figures. This includes feed, cost of birds and depreciation on both buildings and equipment.

The Josephs figured they spent an average of 12 hours labor per 100 birds in each rearing period on range. In confinement, this was cut to 5 hours. On range, the Joseph's chickens averaged 27 percent death rate. Confinement cut that to 14 percent, McVicker reports.

This doesn't mean poultrymen who do well with range rearing should make a change. They may have a substantial investment already in range equipment and in legume pasture suitable for poultry range. And the range-rearing program may fit well with the whole farm operation.

One trouble with much so-called "range rearing" in Iowa has been that it wasn't really on poultry range, says McVicker. It has amounted to turning the chickens out in a field.

Here are McVicker's suggestions on how to get better results from range rearing:

1. Surplus of good legume forage—ladino clover or alfalfa. Growing pullets provide a good way to use this forage. Feed saving may amount to $50 an acre. But if you don't have surplus legumes, you won't make any real saving by just running chickens on grass.

2. Good range shelter fully screened with fine poultry wire. Open sides are necessary. The chickens should be locked in the shelter every night for protection from predators.

3. Plenty of shade at the edge of legume field. The feeders and waterers must be in the shade. Birds won't stay on the range if they don't find good shade.

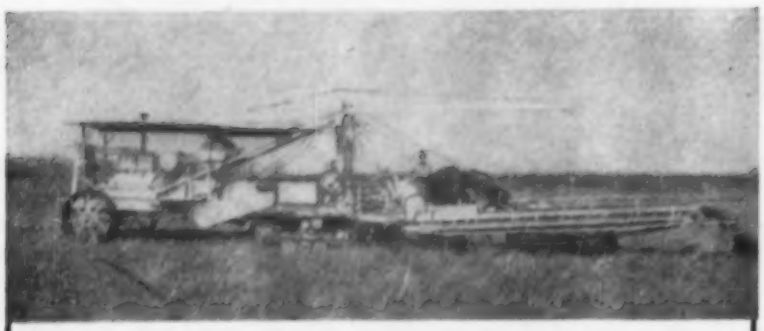
4. Legume pasture on a well drained side hill. Disease organisms accumulate in pasture swales and draws.

5. Range located to keep young birds at least 400 feet from the old hens in the laying house. But keep it convenient for feeding and watering.

6. Rotate the range. Chickens should not be on the same range two years in succession.

Take advantage of many labor-saving practices, too. Self feeders can be built into the side of the range shelter. Barrel storage waterers need less frequent filling. The birds must have fresh water always available to do well on range.

A good program that meets all the requirements is hard to beat. But if you are not set up for this kind of range rearing, you may be interested in full confinement for pullets, McVicker thinks.



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DEMAND HIGH STRENGTH. Sheffield Tile will withstand 1,100 pounds of crushing pressure per foot.

SPECIFY HIGH DENSITY. The high density of Sheffield Tile is your assurance of low water absorption which means less trouble from freezing and thawing.

Have your County Agent test your soil for acid or alkaline. Remember . . . hard burned clay tile is not affected by acid or alkaline soils.

SHEFFIELD BRICK & TILE COMPANY
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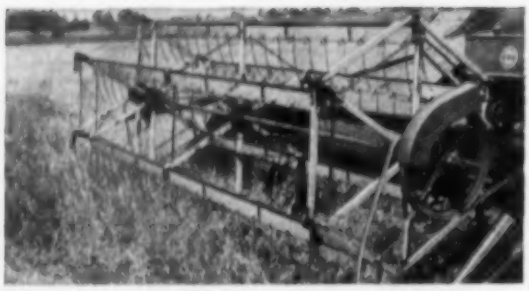
solved:
How to Save Missing Bushels



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Box 1965 Morton, Ill.

SAVE YOUR LIFE!

Tractors and muddy roads make a dangerous combination. Especially if you get too near a soft shoulder. True story is reported by Norval J. Wardle, Iowa State College safety specialist.

THE rain during the night meant no field work for Clark Cosgrove. So he and his wife, Helen, had driven to town.

Now they stood in the sunshine in front of the postoffice talking to Mary Newman. Mary and Frank Newman lived just a half mile down the road from the Cosgroves.

"We're about ready to head for home," Helen Cosgrove was saying. "Are you and Frank starting home soon?"

"Frank is still down at the garage. He won't be ready to come for an hour yet," replied Mary.

"Why not come with us?" Helen asked her friend. "We could have a little visit and Frank could pick you up on his way home."

"That would suit me fine," answered Mary. "I'll tell Frank and meet you at the drug store in just a minute."

In just a few minutes, Clark and Helen Cosgrove had picked Mary up at the drug store.

"This road is surely good. Wish we could get gravel on our road," said Clark as they drove along. "That last half mile we have takes more time and gas than the other four miles to town."

"Well, here we go," said Clark as he turned off onto the dirt road. The car slowed down, but moved steadily along thru the tracks in the mud.

Then—the car bounced, and it was sliding in the mud. They ended crossways of the road with the wheels spinning in the ditch.

"I'll get the tractor," said Clark. "You just wait here," and he soon disappeared over the little hill toward home.

It was only a few minutes when the ladies heard the tractor coming along the road. Then the sound stopped. They waited several minutes.

"I wonder what happened. Let's go see," said Helen and she got out of the car. Mary was right behind her.

As they reached the top of the little rise, they couldn't see any tractor on the road.

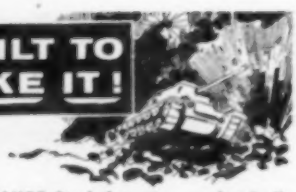
"Oh, Mary! There it is in the ditch," Helen cried as she started to run down the road.

The tractor was tipped over in the ditch by the side of the road. Clark was pinned beneath. They had to get help to get him out. He wasn't hurt much—just his leg bruised where it was caught in the spoke of one of the wheels.

Clark had driven too near the edge of the road shoulder, and it had tipped as it slid in the mud.

Tipping sideways because one of the wheels goes off a road shoulder is the most common tractor accident in Iowa.

BUILT TO TAKE IT!



HEAVY-GAUGE Steel thruout . . . electrically welded the same as war tanks and sea-going ships—that's what makes LELAND HEAVY-DUTY Equipment by far your best buy. It's built to take it—to give you years of low cost service.

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All-Welded, Heavy-Gauge Steel built to last 20 or more years. 8 to 16 door, 30 to 75 bushel capacities. Sliding top can't blow off or leak. Saves feed, can't clog. It's practically indestructible.

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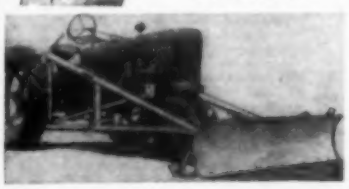

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FREE!

Complete descriptive folders describing the exclusive SNAP-TACH design are yours for the asking.

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NO LICE MANGE
WHEN USING AUTOMATIC HOG OILERS

A sure, inexpensive, labor-free method of keeping hogs free of lice and mange. An aid to growth.

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MAYRATH
Monmouth, Illinois, or Dodge City, Kansas

Readers write . . .

. . . about campaign promises, Farm Bureau, farm prices, leases, and cars at college

"Has Ike Forgotten?"

To the Editor: I want to thank you for the stand you take for justice for the farm . . . we all know that big business is getting plenty of government support, but if farmers ask for the same sort of support they call us Socialists . . .

We wonder whether our president and congress can't see that something needs to be done for farm income. Or has Ike forgotten what he told us in his campaign speeches?—D. W. Muhlenbruck, Franklin county, Iowa.

Businessmen Join Farm Bureau

To the Editor: James Patton of the National Farmer's Union states that in his opinion the farmers have taken a licking in congress . . .

Hershel Newsom of the National Grange says that in his opinion the farm legislation doesn't do much good.

Allan Kline of the Farm Bureau has been definitely behind flexible price supports.

It is a well-known fact that many Farm Bureau members are not farmers at all, but businessmen . . . And it is unfair to the farmer when legislation is influenced so strongly by an organization that does not represent the opinion of the farm majority. —Farm Subscriber, Wright county, Iowa.

Farm Bureau says its "city members" are businessmen whose customers are farmers. Therefore they have the best interests of farmers at heart when they help determine Farm Bureau policy. Don't forget to sign your letters. Another letter on this subject couldn't be printed because the writer used a pen name and failed to give us his real name.—Editor.

"Farmers Getting Hard Up"

To the Editor: We have taken your paper since 1928. It is the only real farm magazine published that looks after farmer's interests.

It does not urge farmers to overproduce. Rather it urges farmers to produce more according to what we can sell for a profit.

Farmers here are really getting hard up financially. Crop failures have taken their toll. Cheap eggs and hogs are hurting. So has the drouth.

We need someone to fight our battles. Keep up the good work. —S. Faul, DeKalb county, Missouri.

Is 50-50 Rent Too High?

To the Editor: Has the tenant considered the contribution his landlord is making? The investment in land, a modern house (in our case), upkeep on the same, taxes and insurance, lime, grass and legume seed, half the cost of fertilizer, gas and oil and operating expenses which we furnish—against which the tenant furnishes labor and machinery. Landlord, Nebraska.

The above letter is in response to an earlier Voice Of The Farm letter saying 50-50 leases were unfair.—Editor.

College Students Need Cars

To the Editor: In the column, "Inside Stuff," you quote R. K. Bliss of Iowa State as saying, "One of the problems now at the college is to find space to park students' cars. Just why sensible parents furnish cars for their boys and girls to take with them to college is a puzzle to me."

Maybe you or Mr. Bliss might be interested enough to make a survey some time and find out just how many of the cars are furnished by the parents and how many are student-owned.

Also, how do you get from place to place without a car? The train and bus service to small towns is horrible. If the young folks are to come home occasionally, they must have a car.—Mildred Fay, Greene county, Iowa.

"Sitting Bull" Is A Steer

To the Editor: This is a picture of a steer which I sold in early March. He would raise up with his front end first. Then he would just stay in that sitting position for 10 or 15 minutes. Most cattle, you know, get up with the back end first.—Orville Walters, Calhoun county, Iowa.

The Feed that Really KNOCKS WORMS DEAD

★NEW★SAFE
★LOW COST

FOXBILT CADMIUM OXIDE

HOG WORMER FEED

PIGS ACTUALLY GAIN WHILE YOU WORM THEM

★ **SAFE** Foxbilt Cadmium Oxide Hog Wormer Feed is completely SAFE! Absolutely non-toxic. Safe to use around other farm animals.

★ **SURE** Kills worm eggs as well as worms. Guaranteed over 90% effective!

★ **PALATABLE** Hogs like Foxbilt Calmium Oxide Worm Feed. No need to fast hogs before worming.

★ **PROFITABLE** Hogs keep on eating—keep on gaining. No adverse effects—no setbacks.

★ **LOW COST** Just feed Foxbilt Cadmium Oxide Hog Wormer Feed in place of regular feed for 3 days. Worming actually costs only pennies per pig depending on age and weight.

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of many uses!
Build it yourself and SAVE!

Shown here is a LESTER'S METAL CLAD BARN TOP on block basement. Post Free loft space for baled or chopped hay or straw. Doors, windows as desired, additional. Flooring included, less foundation.

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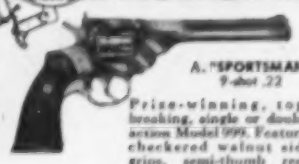
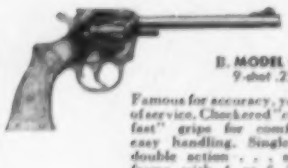


A. "SPORTSMAN" 9-shot .22

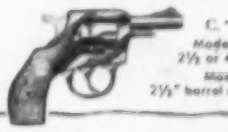
Prize-winning, top-breaking, single or double action Model 999. Features checkered walnut side grips, semi-thumb rest, wide hammer cocking spur, adjustable front and rear sights. $49.75



B. MODEL 922 9-shot .22

Famous for accuracy, years of service. Checkered "cling fast" grips for comfort, easy handling. Single or double action . . . solid frame with 4 or 6 inch barrel. $28.75

2½" bl. Bantam-weight 922, 922's in chrome $1.00 extra $28.75

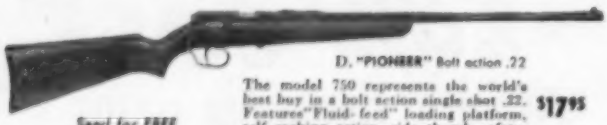


C. "GUARDSMAN" Model 632. 6-shot .32 2½ or 4 inch barrel. $32.75

Model 633 Chromed 2½" barrel only $1.00 extra

We appreciate farm folks comparing our guns with others . . . because they find that, dollar for dollar, shot for shot . . . there are just *no better guns!* For casual plinking . . . for pest control . . . hunting . . . or self-protection, H&R Guns are "first with the farmer!" See your nearest dealer and compare H&R guns with any others.

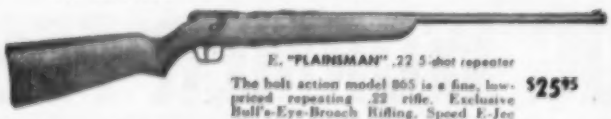
READ THIS ROUND-UP OF H&R INC. VALUES



D. "PIONEER" Bolt action .22

The model 750 represents the world's best buy in a bolt action single shot .22. Features "Fluid-feed" loading platform, self cocking action, side thumb safety, Bull's-eye Broach Rifling. $17.95

Send for FREE descriptive folder



E. "PLAINSMAN" .22 5-shot repeater

The bolt action model 865 is a fine, low-priced repeating .22 rifle. Exclusive Bull's-Eye-Broach Rifling. Speed E-Jec clip ejector. $25.95

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UP . . .

the performance of your engine

during changeable spring weather with . . .

10W-30

CHAMPLIN'S NEW MULTI-GRADE MOTOR OIL PROVIDES ALL-SEASON protection

Here's the toughest motor oil ever built to give your engine guaranteed lubrication regardless of sudden temperature changes.

It flows instantly on frosty mornings, yet retains that longer lasting film of protection when outside temperatures rise to 100° or above.

Its powerful detergency action removes sludge, varnish and carbon from dirty engines and helps keep them clean.

Piston rings and valves stay free of carbon and other by-products of incomplete combustion and oil oxidation.

Up the performance of your engine this summer . . . increase gasoline mileage with this All-Season motor oil that cleans as it lubricates.

A Product of CHAMPLIN REFINING COMPANY
GENERAL OFFICES: ENID, OKLAHOMA

★Do your buying from firms advertising in WALLACES' FARMER and IOWA HOMESTEAD. If you do not find in WALLACES' FARMER and IOWA HOMESTEAD the articles you want to buy now, just let us know what you want and we will be glad to give you names of reliable firms from whom you can make the purchase.

Which college? What course of study? High school graduate Earl Trenhaile (right) of Worth county, Iowa, ponders those questions as he looks thru college bulletins with the help of Harry Anderson, high school principal.

Head for college this fall?

Big demand from industry for agricultural college graduates

THERE'S more to an agricultural college education than "learning how to farm better."

That fact shows up in a report from the Iowa State College information service.

In fact, a recent survey shows that only 20 percent of Iowa State College's graduates are operating farms. Most others are in work closely related to farming.

Right now, says the college report, there are more good jobs for agricultural college graduates than there are men to fill them. Some graduates are finding a choice of seven or eight jobs when they complete college.

So an agricultural college education opens the door to opportunities in business and industry.

Young men who know farming are needed to help supply livestock feed, fertilizer, machinery, pest control chemicals and other items used by modern farmers. Others are needed to help buy, sell, process and distribute farm products.

Other good opportunities are in agricultural research, teaching, communications and technical services to agriculture.

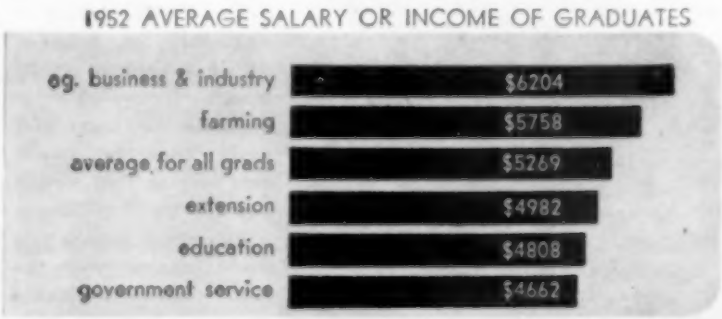
These opportunities pay off in cash, too. The 1950 census report indicates that the average college graduate earns about $45,000 more during his lifetime than does the average man without college education. The graph on this page shows the average income of Iowa State College agricultural graduates in 1952.

How much does it cost to attend an agricultural college—Iowa State College, for example?

Registration fees, books and room and board at Iowa State College will cost you about $800 per year. That's if you are an Iowan. Out of state students must pay more. To that must be added money for personal expenses — clothing, spending

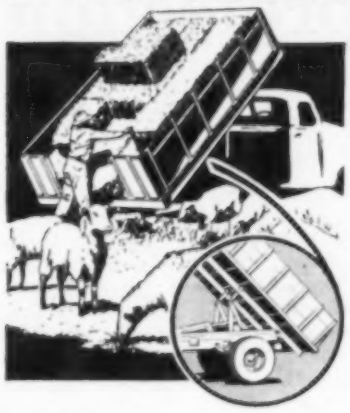
(Continued next page)

1952 AVERAGE SALARY OR INCOME OF GRADUATES



Graph shows average income of Iowa State College agricultural graduates in 1952.

Pays for itself in one season



Whether it's spread feeding, or handling crops, one man with a St.Paul Dump-it hoist on his truck can *outproduce 10 men with hand shovels.* You do "101" jobs quicker, cheaper, without strain or sprain. Write for free literature and prices. St.Paul Hydraulic Hoist, Customer Service Dept., 36109 Main St., Wayne, Mich.

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OUR 43RD YEAR

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DUMP-IT HOISTS
The original . . . and still the leader!

Central Iowa Distributor
WESTON DUMP BODY COMPANY
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Sandhills BACKRUBBER REVOLVING APPLICATOR

Kills flies, lice, ticks, mites and other stock pests. Your cattle treat themselves. Recommended for use with a New Special Spray Concentrate that's safe around dairy barns and milk rooms . . . many times more powerful than many other sprays. Residual effectiveness lasts longer.

Priced at $29.50 postpaid including one gallon concentrate that makes up to fifty gallons ready to use spray when mixed with your water or oil.

AUTOMATIC EQUIPMENT COMPANIES
655 Main Street — Pender, Nebraska

Innes WINDROW PICK-UPS

We claim it's the best because it gets *all* the grain in so quickly, without wrapping, shelling or clogging. Easiest there is to put on and take off. Built to last. Ask your dealer or write us for full information — address Innes Company, Bettendorf, Iowa

RIGHT . . . *from the Ground Up!*

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Write today for circulars and details
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Study agriculture? Which course?

(Continued from last page)

money, transportation and incidentals.

Scholarships are available to about 70 freshmen each year. They average about $200 each. And they go to the best qualified students.

Campus jobs also are available —working on college farms, handling livestock, etc.

Suppose you decide you can swing the expenses. What do you want to study? If you were to attend Iowa State College, you could pick your course of study from any of the following fields in agriculture:

Agricultural business, including farm management and credit, marketing industries, public service and administration, agricultural economics.

Agricultural education, designed primarily for those to plan a teaching career.

Agricultural engineering, which might lead to work with farm machinery and equipment, farm buildings, electrification, soil drainage and conservation, etc.

Agricultural journalism, leading to a career in newspaper, magazine, radio, TV, advertising, public relations, etc.

Agronomy, including studies of soils, farm crops and agricultural climatology.

Animal husbandry, a study of livestock feeding, breeding and management.

Dairy husbandry, a study of dairy cattle breeding, feeding and management.

Farm operations, a course designed primarily for students who plan to return to the farm. It includes a winter quarter program, a two year program and a full four-year curriculum.

Forestry, including forest management and wood utilization.

Genetics, a study of plant and animal breeding.

Horticulture, including specialization in fruit, flowers and ornamentals or vegetable crops.

Poultry husbandry, a study of breeding, feeding and management of poultry.

Landscape architecture.

Rural sociology, a study of human group behavior. Such training is useful, for example, in farm organization leadership.

The division of science at Iowa State College also offers courses which can lead to work in businesses or industries closely related to farming. Maybe, for example, you'll want to become an insect control expert thru the study of entomology. A weed control or plant disease specialist thru the study of botany and plant pathology.

Or perhaps you're interested in becoming a veterinarian. That'll take six years at Iowa State College.

To get free bulletins and more details about various courses of study at Iowa State College, write to Dean of Agriculture, Curtiss Hall, Iowa State College, Ames, Iowa.

MORE THAN 15 percent of all tornadoes in the U. S. occur in the month of June. Ironically, most marriages take place the same month.—Gowrie News.

It's slim pickings for rodents, but healthy for your pocketbook when you store your grain in a Timberib building. Here's why it gives you lowest per-bushel storage cost:

1. Completely prefabricated for fast, easy erection (with your regular farm labor if you prefer).
2. No interior posts, so grain is worked with greatest ease.
3. Highly versatile — may also be used for implement storage, loafing barn or utility building.
4. Available in widths from 24 to 60 feet, and any desired length.

For complete information, see your nearest Timberib dealer or write for free catalog of Timberib farm buildings.

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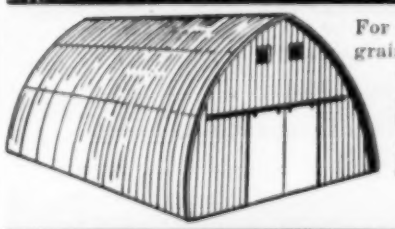
Timberib MACHINE SHEDS and BUILDINGS



For this newest thing in machine sheds, grain and feed storage, ask us about our

1. Whole package, everything furnished above foundation.
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We save you money whichever plan you prefer. Fill in coupon above or write for colored literature, details and lowest prices.

Write today to Your Iowa Distributor for Timberib

WESTERN SILO CO., Dept. W-5 **W. Des Moines, Iowa**

Eliminate Your Toughest Farm Job!

Load bales of any shape, any weight, lying at any angle onto truck or wagon automatically! Simply drive down row of bales — Bale Loader does all lifting! No other man needed! Ground-driven — Needs no engine, PTO, or hydraulic system! Thousands in hard use all over U.S. Decide now to never lift another bale by hand — See the SNOWCO — world's largest selling Bale Loader — at your dealers soon! Extremely low priced for the average farm!

NEW! SNOWCO SCOOPMASTER

Portable grain auger (12' & 16' models). Built of 4-inch, galvanized, lock-seam tubing. Low price includes everything! Finest quality available. See your dealer soon!

SEND CARD FOR MORE INFORMATION

The SNOW COMPANY
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It may not be visible, but there is a price tag on your barn. On all of your buildings, in fact. Protect this huge investment. Keep your buildings in good repair. Keep doors and windows, shingles and roofs in top notch condition. And remember—*Iowa Mutual Tornado* and its cooperating County Mutual Fire and Lightning Insurance Associations offer separate or combination, one-package policies—to suit your particular needs.

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More than $1,500,000,000 Insurance in Force

"Hogs are my business," says Joe Paul of Dallas Center. Felco Feeds are the backbone of our program and we get top results. Mr. Paul gets his Felco and his cooperative savings from Farmer's Cooperative Company in Dallas Center.

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Why be satisfied with an unsightly structure when you can build a magnificent monument to your judgment by erecting a FORAGEMASTER!

Customers report better silage, better storage and greater profits with FORAGEMASTER. Anything that can be stored in a silo can be better stored in a FORAGEMASTER!

Beautify your farmstead with a FORAGEMASTER instead of an ordinary silo. You owe it to yourself to get the details from us. Write to Dept. "W" at the address below. No obligation of course.

FORAGEMASTER
MADE BY **ROWELL, INC.**
752 Vandalia St., ST. PAUL, MINNESOTA

What about

Lightning protection

for . . . you, your TV set, livestock, buildings?

MOST Corn Belt areas can expect 40 to 50 thunderstorms each year.

Do these storms make you wonder about lightning protection?

Here's what you can do to be safest in a thunderstorm:

1. Take shelter inside a large building. And stay away from open doors and windows. Be sure to keep in a dry place inside the building. That's because water can conduct electricity.

Stay away from fireplaces and stoves, too. Same goes for any large metal objects.

First choice for shelter is a large metal or metal-framed building, that is protected from lightning. Next is a large unprotected building. Small buildings rate lower on the list.

2. If you must be outside, stay away from small sheds in exposed areas. Trees standing alone are also danger points. Hilltops or large open spaces can increase your danger.

Stay away from wire fences. They can be dangerous even when not hit directly by lightning.

3. Caves, low spots in the ground or ditches provide good protection. A group of trees is usually safe from lightning. But there's danger of falling limbs.

4. Your automobile provides almost complete safety. The metal body gives good protection.

Tractors are another story. Even without an implement hooked to the tractor, it is still a dangerous spot in a thunderstorm. Lightning that can jump thousands of feet thru the air isn't going to stop at rubber tires. Big difference between a car and tractor is this: In a car, you are within a metal shell. That shell provides the protection.

Now that you know how to be safe, what can you do for the TV set?

Tall antennas do increase the chance of lightning stroke.

Pulling the power plug won't help save the set. Doesn't do much good to disconnect the antenna, either. Lightning that can jump across great gaps of air won't be stopped by the short distance between your TV set and the antenna connection.

Most antenna installations include a lightning arrester. This should be placed where the lead-in enters the house. The arrester is a switch type arrangement intended to direct lightning to ground instead of to the set. A good connection of heavy wire or cable from the arrester to ground is important.

The antenna mast should be grounded. It should be connected to the regular lightning protection system, too. That gives the lightning at least two paths to the ground.

Here's another tip for added protection. Lower the antenna so the mast sticks up a few inches above the antenna. This acts as a point to bleed off some of the charge.

Radios with outside antennas should be protected with lightning arresters, too.

Now, what can you do to protect livestock from lightning? Big thing is to ground wire fences. Animals are frequently killed or injured by being too close to an ungrounded wire fence that is struck by lightning.

Lightning doesn't have to score a direct hit on a fence to set up a heavy electric current.

It can strike a tree or building to which the fence is fastened. Or it can hit a telephone or power line near the fence.

Fences should be grounded about every 150 feet. This can be done with a galvanized or copper-coated rod driven into permanently moist soil beside a fence post. All wires of the fence should be solidly fastened to the rod. For full protection, have the rod extend a few inches above the top of the post.

Steel fence posts are the practical way of grounding fences in most of the Corn Belt. One of these posts every few rods will do an effective job under most conditions.

It is a good idea to ground fences that run for some distance under powerlines, too.

(Continued on next page)

"Trouble with spring work, once it begins it's October before the five o'clock whistle blows."

WORN OUT WATER SYSTEM?

Are you bothered with constant repairs — not enough pressure for your needs — a worn out, troublesome pump?

MODERNIZE AT LOW COST

McDonald's new Series 3100 shallow well Hydro-Jet pumps have all the dependable features you expect from McDonald. High grade seal assembly, pressures from 20 to 40 lbs. or more, horizontal construction for easy application at well or offset.

Fig. 3130 Illus.

Figure 3150 ½ HP. Cap. to 1050 GPH. **Figure 3130** 1/3 HP. Capacity to 815 GHP. Complete with 6-gal tank . . . only **$89.50** (f.o.b. Dubuque)

Just drop a postcard to McDonald for free descriptive booklet or call your McDonald Dealer.

A. Y. McDONALD MFG. CO.
Dubuque, Iowa
Pumps • Brass Goods • Oil Equipment

MEYER *Bale* LOADER

SAVE MANPOWER THIS LOW COST WAY

Saves extra labor—does more work than 2 hired hands! Loads 75 bales in 15 minutes. Picks them up just as dropped, straightens them automatically. Saves baler, too—no strain or breakage pulling skids or wagons. Ground driven, light draft, easily hitched. Two models—bale deck heights 6'9" and 10'9".

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The Guaranteed All Purpose "Safety Blade"* Mowers

Guaranteed to do your lawn and weed mowing to your satisfaction. If not 100% satisfied after 3 days trial return for full cash refund including frgt. charges.

Cuts smoother and cuts more volume per horsepower with replaceable SAFETY blades at only 10c each.

Our mass production gives high quality and top performance at lowest prices. See your ROTA - ZIP dealer or write for FREE folder and prices on all models.

Prices $65.95 to $108.95 Inc. Fed. Tax, F.O.B. Fact. (*Patented)

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SELF-PROPELLED SPRAYER
For the finest spray control from pre-emergence to harvest

KROMER HY-ROW
Write Today for Information
Also Broad Fan, Boom and Trailer Models

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McCulloch CHAIN SAW **Heavy Duty Model**

One Man Size. Plenty of power to fell and buck trees in a matter of seconds! 3 models, with blades from 14" to 36". *Ask your dealer, or write for illustrated bulletin.*

POWER TOOLS, Inc. 1731 University Ave. St. Paul 4, Minn.

RETIREMENT PLAN—CALIFORNIA DESERT NEAR PALM SPRINGS. Want to get out of cold winters? I lease big lots with water, electricity, phone, roads, trees, nice community. 99 years with option 99 more—198 years. 12 minutes out of Palm Springs. 1 and 2 bedroom homes financed. Send 10c stamps for details. **CHARLES DOYLE, Hidden Springs Ranch, Thousand Palms, California.**

"I do the 'geeing' and 'hawing' . . . He has laryngitis."

Lightning rods need good grounds

(Continued from last page)

Buildings are easily protected from lightning damage. Proper equipment carefully installed will do the job. It gives about 12 to one increase in chance that building will escape damage if struck.

Lightning rods do bring a slight increase in chance that building will be struck. That's because a stroke nearby might be diverted to the rods.

Not all buildings need to be protected with rods. Small buildings near taller ones seldom need protection. The taller building will nearly always draw the stroke.

Buildings with metal frames need little protection if frame is properly grounded. Same goes for metal-covered and metal-roofed buildings. The metal provides a path for the lightning. So the ground connection is the important factor there.

In fact, a good ground connection is a major part of any protection system. Material used must be a heavy conductor which will not corrode.

It should be located in permanently moist earth. It may be best not to use a farm water system for a ground. Works well for bigger water systems tho.

At least two paths to ground should be provided in any protection system. That divides the stroke and decreases chance of damage.

Rods should be located on elevated parts of buildings—chimney, dormers, gables and the like. Rods shouldn't be more than 25 feet apart. Height can vary between 10 and 60 inches above ridges, gables or flat roofs. Proper choice depends on material in rod and shape of roof.

Cable or rodding used in the system should be heavy. It has to carry a tremendously heavy current for a short time.

For best protection, use only equipment that has been approved by Underwriters Laboratories. Have the installation planned by someone who knows the business. It is best to deal with established outfits when buying lightning protection.

Details on equipment and installation can be obtained from United States Department of Agriculture Farmers Bulletin 1512. Your county extension director can get a copy for you.

LIFETIME GUARANTEE!

"Starline Cannon Ball Sliding Door Track and Self-Oiling Hangers purchased after December 31, 1954 are guaranteed against any defect in material or workmanship for the life of the building on which they are installed, and defective parts will be replaced free of charge.

This guarantee does not cover damage caused by fire, wind, storm, accident, improper use, or other casualty and is in lieu of any other warranty express or implied.

Articles subject to replacement under this guarantee should be shipped prepaid to Starline, Inc., Harvard, Illinois. Replacements will be shipped to sender prepaid and free of charge."

FREE PLANS FOR MACHINE SHEDS

Thinking of building a new machine shed? Then send for free standard plans. Write today to Starline, Inc., Dept. 865, Harvard, Illinois.

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STARLINE, INC. HARVARD, ILLINOIS
BARN EQUIPMENT • SINCE 1883 • BARN CLEANERS
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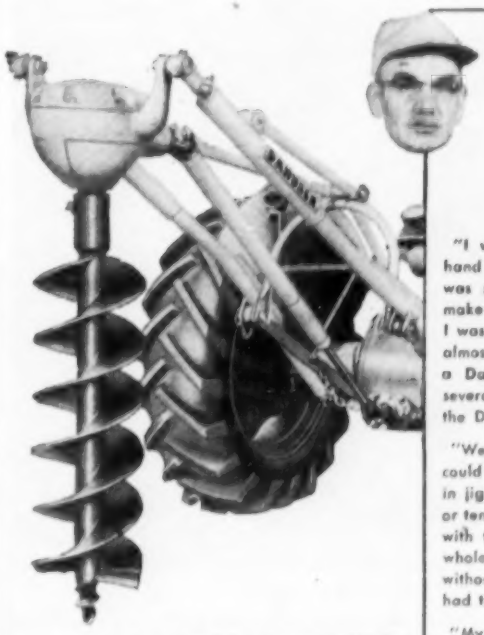


LIKE MR. POE, YOU CAN "DIG HOLES SITTING DOWN," TO SAVE TIME, LABOR AND MONEY. Write today for literature pertaining to your model tractor.

DANUSER MACHINE CO.
507-40 E. 3rd Street • Fulton, Missouri
"Contributing to Farm Mechanization"

"I wouldn't be without a DANUSER DIGGER again if I had to pay twice the price for it..."

says Clarence Poe, Fort Madison, Iowa

"I was trying to build a fence by hand late in 1953, but the ground was so hard and dry I could only make about six or seven holes a day. I wasn't getting anywhere, and I was almost worn out, so I decided to buy a Danuser Digger. I had watched several makes at work, and knew that the Danuser Digger did the best job.

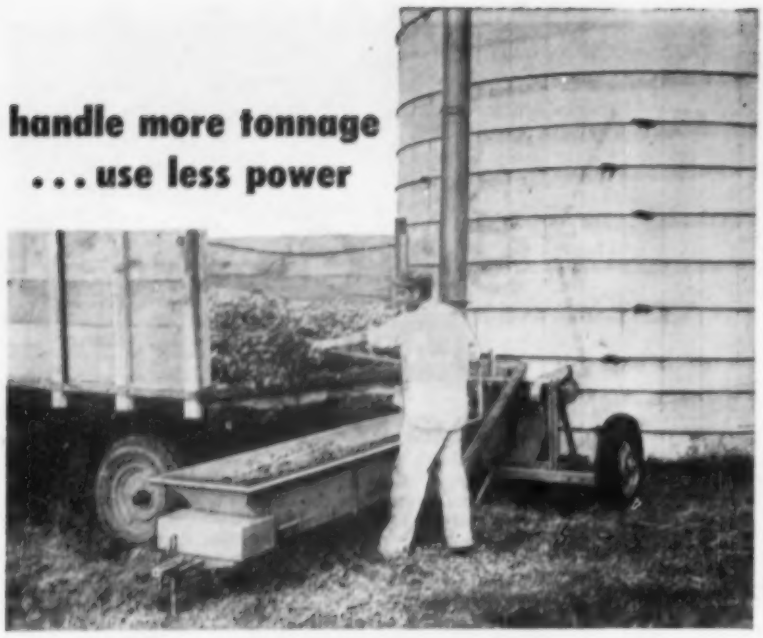
"Well, I didn't know fence building could be so easy. My fence went up in jig time. I found I could drill five or ten times as many holes in an hour, with the Digger, as I could do in a whole day by hand. I wouldn't be without a Danuser Digger again if I had to pay twice the price for it.

"My Danuser Digger is simple to operate and easy to handle, and it goes down better than any other I have ever seen. It hasn't cost me anything for repairs. It's a fine machine and a real bargain when you compare its cost to the cost of digging holes by hand."

Clarence Poe

●Let the advertisements in Wallaces' Farmer and Iowa Homestead form your buying directory. If the articles you wish to purchase are not advertised in this paper, we will be glad to give you the names of reliable firms from which you can make your purchases.

handle more tonnage
... use less power



with an Allis-Chalmers Blower

Break the bottleneck of silo filling!

Three features of the Allis-Chalmers Blower give you greater capacity with less power required: 1. Wide-blade blower fan; 2. Big nine-inch pipe; 3. Long, easy-lift conveyor hopper.

The Allis-Chalmers Blower fan has six wide, curved blades that *blow and throw* the material up the pipe. Cupped blades reduce friction, avoid wedging, prevent backlash, save power.

Nine-inch blower pipe gives 65 percent greater capacity than seven-inch pipe.

Long, low hopper with rubberized conveyor belt accommodates wide truck beds or low-wheeled wagons. Unload from either side. Same hopper handles grain with equal speed and efficiency.

Additional features: easy-lift, hinged hopper; wagon unloading attachment (optional equipment); air-tired transport wheels. See it at your Allis-Chalmers dealer's — a blower that keeps your harvest on time.

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

Use your hand like this. No mixing, no sprayer needed to fight flies this way. Apply "Marlate" dry, just as it comes from the bag, every 2 or 3 weeks.

Simple, easy, quick!
Use Du Pont Marlate®

Control hornflies this new easy way. Sprinkle a tablespoonful of Du Pont "Marlate" 50 methoxychlor along the neck and back of each animal and rub it in gently against the hair. One treatment lasts two to three weeks and a 4-lb. bag is enough for 20 to 30 cows all season. "Marlate" methoxychlor is especially suited for hand dusting because of its low toxic hazard to users and animals.

To kill flies in the barn and on the premises, mix "Marlate" 50 with water and spray.

DEALERS: Order your Du Pont "Marlate" now and be ready when the fly season starts. Everybody likes new ways when they are easier and better. And this new dusting method sure beats spraying. Write Du Pont, Grasselli Chemicals Dept., Rm. 4032, Wilmington, Del.

Wheat policies hit Corn Belt?

Washington report talks of wheat for feed, and fattening of cattle in west

Will the Senate act on the House-approved bill for 90 percent supports? How will Secretary Benson's livestock plan for wheat farmers affect livestockmen in the Corn Belt? These and other questions in the news are discussed by the editor.

PRICE support levels and wheat country problems are the big agricultural questions in Washington now.

On the wheat question, Corn Belt representatives are about as much interested as are wheat country men. They see the effect wheat policies might have on Corn Belt farmers.

They know that wheat can become competitive with corn as feed. And it's being proposed that wheat land be used to raise feed crops to fatten cattle.

So there's a consciousness of competition between agricultural areas. And it's been affecting votes in congress.

* * * *

On the support level issue, the house passed the bill for 90 percent supports on basic crops. Margin for passage was five votes.

Observers at Washington doubt, however, that 90 percent supports on basics will go into effect this year or next. They can't see a senate majority for the bill. And Eisenhower's veto seems certain if it were passed.

But the passage of the 90 percent support bill keeps the issue alive. Unless disposed of, the bill will be before the senate when the next session of congress begins next January.

Corn Belt representatives in the house split on the bill. Iowa congressmen backed 90 percent supports five to three.

Congressmen Gross, Hoeven, Jensen and Talle voted for the bill. Dolliver was paired for it. And Cunningham, Le Compte and Schwengel voted against 90 percent supports.

Secretary of Agriculture Benson, in a last minute strategy move, issued a statement saying cost of storing farm surpluses would soon be $1,000,000 per day. Present cost is about $700,000 per day. The bill was passed despite the statement.

* * * *

In winning house approval of 90 percent supports, house leaders tossed overboard the two-price system for wheat, proposed by Rep. Clifford Hope, Kansas Republican.

Under this plan, wheat for food would have been supported at a high level. Wheat for feed or for export would have been allowed to sell for much less.

Corn Belt leaders opposed the two-price wheat plan. They fear this cheaper priced portion of the wheat crop would compete with corn as livestock feed.

* * * *

Benson's department has under consideration a long range plan for the Great Plains farmers that also would have an impact on Corn Belt farmers.

A crop rotation plan for Great Plains farmers would be recommended to include one year of wheat, one of grain sorghum and one in fallow. Then the rotation would be repeated.

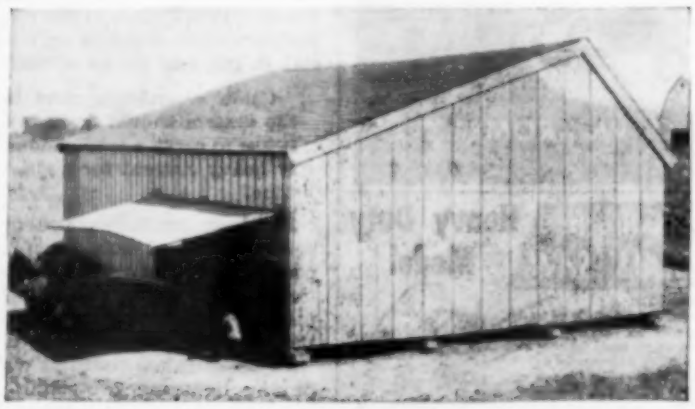
Such a program, it is believed, would greatly reduce wheat acres and production. Greater quantities of grain sorghums would be grown for use as livestock feed.

Then the Great Plains farmers would go into the livestock feeding business as well as the livestock raising business

Up to now, of course, western

(Continued on next page)

Helps cool hogs...



Extra door in the back of two-sow movable house serves as sun shade in hot weather. Thru drafts also help to cool hogs in house. On the Keith McAllister farm, Henry county, Iowa.

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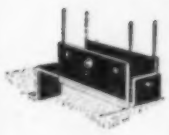
IN BARNS, CRIBS, SHEDS WITH
R-W Studding Sockets



Richards-Wilcox Studding Sockets protect studding from rot and excessive deterioration. Sockets anchor studding and corner posts securely to concrete floor or foundation and provide protective skirt.

No wood sills to split out or rot. Hot galvanized steel for 2x4, 2x6, 2x8, 3x8 and 4x8 studdings.

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Fidgeting, nose-picking and a tormenting rectal itch are often telltale signs of Pin-Worms . . . ugly parasites that medical experts say infest *one out of every three* persons examined. Entire families may be victims and not know it.

To get rid of Pin-Worms, these pests must not only be killed, but killed in the large intestine where they live and multiply. That's exactly what **Jayne's P-W** tablets do . . . and here's how they do it:

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Don't take chances with this dangerous, highly contagious condition. At the first sign of Pin-Worms, ask your druggist for *genuine* **Jayne's P-W Vermifuge** . . . the small, easy-to-take tablets perfected by famous Dr. D. Jayne & Son, specialists in worm remedies for over 100 years.

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Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

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PEERLESS EQUIP. CO. Box 550W. JOPLIN, MISSOURI

Defeat ahead for wheat quotas?

(Continued from last page)

ranchers have raised feeder cattle. Corn Belt farmers have fattened most of them.

* * * *

On a trip thru the western drouth area, Benson's associates said they heard western men say "Feeding cattle is where the money is." So they think farmers of the west would go for the plan to substitute sorghums for wheat.

Success of this drouth country feed-raising plan would be questioned by many soil conservationists.

Sorghum stubble will hold blowing soil better than wheat stubble. But the fallow year would expose the soil badly. And without the fallow year, subsoil moisture supplies would fail.

But if adopted and found successful, this plan would speed the process of turning grain surpluses into livestock surpluses.

Of course the USDA men will encourage western farmers to return some of the plains land to grass. But this is not supported in the Department as much as by groups outside.

USDA men regard the back-to-grass movement as a slow, expensive operation that would not pay off as quickly as would grain sorghums fed to cattle.

* * * *

Corn Belt farm leaders are also watching developments in the forthcoming referendum on wheat marketing quotas for the 1956 crop.

Quotas appear doomed, says Rep. Hope, Republican from Kansas. Reports from other states confirm his prediction.

What would happen if quotas were defeated? Congress would remodel farm laws as they affect wheat. Neither the administration, nor the democratic congress would adjourn and let wheat supports go down to 50 percent of parity next year.

There is a strong feeling in Washington that ultimate solution might be wheat supports at 65 or 75 percent of parity. And an acreage increase from the present 55 to 62.5 million acres.

Such a move would bring wheat prices nearer the competitive level with corn.

* * * *

The federal government wants to keep as much of the surplus livestock feed grains in the hands of farmers as possible. So it's announced that 1953 crop corn which was re-sealed a year ago may be re-sealed for another 12 months.

The department earlier had announced that no 1953 crop grains would be re-sealed. But a study has shown that this crop corn is of good keeping quality. Extension of such loans, they said, would lessen the burden on government and keep the corn on the farm.

Latest reports show that there is about 79 million bushels of 1953 corn still under loan on the farms. Iowa led with 38 million bushels. Minnesota was second with 18 million.

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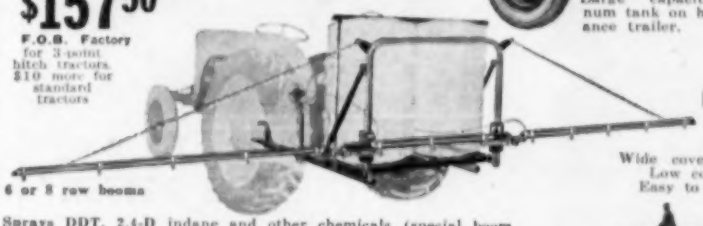

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D. PATENTED Variable ratio for speed and power.

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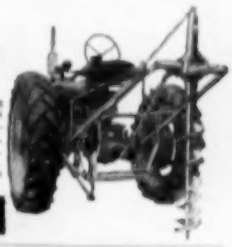

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$27.75
The Fencer Weeds Won't Short!

Kenneth Wendt, of Buckingham, Iowa, farms 92 acres, has 35 purebred Chester Whites farrowing each year, and a herd of 40 cows, including 14 Holsteins.

NEW METAL CONTAINER

Self-closing top. Screen bottom provides ventilation, keeps out insects. Dark blue enamel — "hanging holes" in back. Order one NOW — to hold 6 or 6½" filters, $1.10 — to hold 7, 7½ or 8" filters, $1.25.

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CHUCK WORCESTER tells you more about Kendall filters on his "Sunrise Hour" at 5:15 a.m. over WMT.

"WE FIGURE THEY DO THE JOB BETTER"

says Mr. Wendt

"Been using Kendall filter disks for at least ten years," Farmer Wendt goes on. "We figure they filter fast and do the job better than any other disks".

They sure do! And for a couple of mighty good reasons. The fibers in a Kendall filter are strong and clean to start with, because they're made by men, not nature. Nature's cotton varies far too much in strength and ability to filter clean. It simply doesn't meet Kendall standards.

Secondly, only Kendall filters are *pressed*. You get as many or more fibers as in any other disk, but pressing forces them closer together to block more sediment. Makes sense, doesn't it? Makes for better straining, too. Fast, clean straining and high ratings. Order Kendall milk filters by name. Kendall Mills, *Division of The Kendall Company*, Walpole, Massachusetts.

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FILTER DISKS®
patented

IT'S A CINCH TO FARM BETTER WITH A DAVIS LOADER

DIGS · DOZES · FILLS · LOADS

Just lift your finger and the hard work is done when you have a Davis Loader. Because it is completely hydraulic you can do countless chores in record time without strain.

HANDLES MANURE, SILAGE, BALED HAY, BUNDLED FEED

It's a tool of 101 uses. This easy-to-attach manure fork for instance will more than pay for the loader. A slide-on bottom and sides converts it into an all-purpose utility bucket.

STACKS HAY

The Davis push-off sweeprake stacker attachment handles tremendous loads and stacks out at 21'. It's just another example of the utility of the Davis Loader and Davis attachments.

Whatever your loader job is, it will pay you to buy the Davis Loader. It has no equal in quality and performance, and the price is less than you would expect to pay.

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Ramp leads up to homemade water fountain in the hog pasture on the Ralph Reidiger farm in Plymouth county, Iowa. Water is supplied by pressure thru a plastic pipe, laid in a plow furrow and covered. Raised waterers get away from the mud and filth problem. Reidiger says hogs quickly learn to use the ramp.

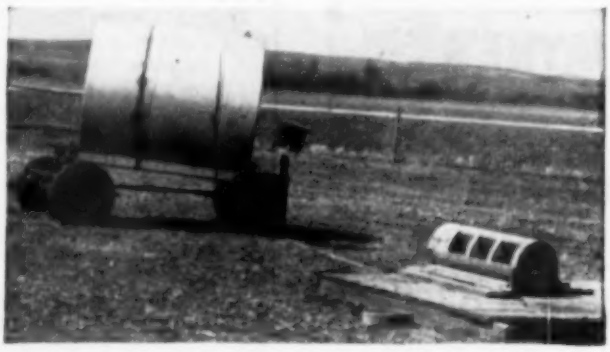
Water for hogs

Give 'em all they want!
Best to keep it clean

HOGS will drink one to one and one-half gallons of water per day per 100 pounds of live weight.

Without plenty of water, hogs can't utilize feed efficiently. They won't eat enough to make fast gains.

So be sure your hogs get all the water they need. Keep clean water available all the time.



Similar fountain without ramp, is used by Louis Hager, also of Plymouth county, Iowa. Because hog pasture is away from water supply, Hager uses a large water tank to supply the fountain.

Stock tank holds reserve water for hogs on pasture on the C. W. Jarrard farm in Washington county, Iowa. A steel deck plate laid on the ground under the edge of the tank keep hogs from developing a wallow. Some farmers use plank platforms for the same purpose.

If you go to the state hospital

You'll find not one hospital but a major medical center

MRS. Hettie Super, a farm woman living in Lucas county, Iowa, was bitten by a dog. That was in September of 1952. The bite injured a vein, resulting in a chronic leg ulcer.

In June, 1954, Mrs. Super was referred to the University Hospitals in Iowa City, Iowa, by a physician. Treatment, which included skin grafting was begun at once.

The doctor in charge assured her that she would soon go home with a good leg instead of the bad one she had when she arrived. This proved true. In a few weeks she was back home again.

Her last check-up was in September. And now, although she wears a rubber bandage on her leg, she has no pain and can work all the time.

Mrs. Hettie Super, Lucas county, Iowa. University Hospitals helped her to get well.

Mrs. Super received her treatment as a private patient. Her appreciation of the University's medical center is deep. She feels that the doctors and nurses showed her a sincere and personal interest.

For humanitarian purposes, it's a good thing to have a state hospital to take care of persons who can pay for only part, or perhaps none of their expenses.

It is gratifying to know that the State University of Iowa hospitals have such excellent clinics and specialists that many Iowans pay their entire expenses preferring this medical center to other famous clinics.

Suppose you, like Mrs. Super, have a medical problem that you and your doctor believe needs attention at Iowa City.

You may go as a private patient. This means that you will be referred to a medical staff member at the University Hospitals. This staff member will make arrangements and advise you and your doctor when you can be admitted.

You'll pay your hospital expenses there and your doctor bill, all of which will be reasonable. About 20 per cent of the admissions are private patients.

If you are able to pay for your hospital care, but not your medical care, you are a clinical-pay patient, as are about another 20 percent. Your doctor will help you file papers for your admittance.

But suppose you are unable to pay any of your expenses. You are entitled to admission as a state patient, under the county quota system, according to state law. Your county officials, with your doctor, will secure your admission.

Some of the people who come to the University Hospitals do not require bed care and attention. They are classified as outpatients.

These patients report daily to the medical center for diagnosing and consultation. They stay at night at the rear of the General Hospital, or in private lodging.

These are your hospitals supported mainly by your tax dollars. All Iowans should be familiar with them. It's gratifying to know that they have excellent clinics and specialists.

You've seen the big blue University of Iowa ambulances on the highways, or in towns. That will probably be your transportation, if you're a state patient. Children or persons too ill to care for themselves, get an escort for the trip.

These ambulances, of which there are 22 in constant service, are cheaper for the state, and more comfortable for the patient than public transportation would be.

If you come to the University Hospitals as a patient, don't bring a radio. Even books and magazines are unnecessary. A supply is available at all times.

Because we all like to look our best, whether hospitalized or in the pink of condition, you'll want to bring your own toilet articles, including a hand mirror.

For a shave and a haircut, a hospital barber will come to your bedside.

Personal problems are something we can't always shed as we do our clothing. So trained social workers are there to help you with yours.

If your family has come along and needs a place to stay, a list of available lodgings in private homes is easily secured from the main office.

There are no set visiting hours, so your family can spend as much time with you as is feasible.

It is well to remember that this is not a single hospital but a major medical center.

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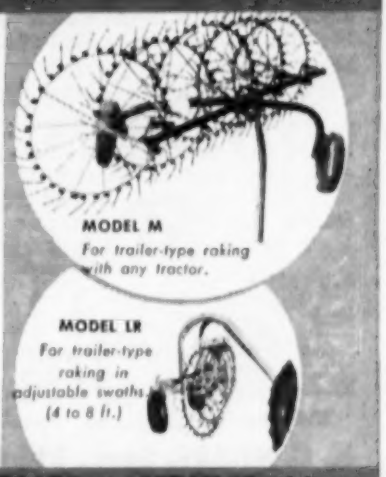

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For trailer-type raking in adjustable swaths (4 to 8 ft.)

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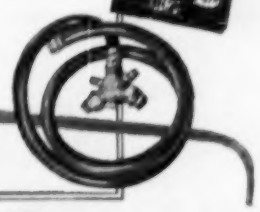

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Standard or high pressure. Kits include pump unit, 5-nozzle fixed head unit and adjustable hand gun.

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MASON CITY, IA., Wednesday, June 1

SHOW — 9:30 A. M. SALE — Starts promptly at 12:30 P. M.

78 LOTS

33 Good Rugged Bulls — 45 Well-bred Foundation Females

45 females, some show-yard material, cows with calves at side, bred cows and heifers and open heifers. You will find this offering of females to be some of the best offered for sale in Iowa this spring. 33 bulls of serviceable age with the quality and type worthy to head any herd. If you are looking for choice bulls here they are. Leading blood lines, popular families selling in this

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from 25 leading breeders. You will find the top families of the breed: BLACKCAP BESSIES, TILLYFOUR RUTH, BLACKCAP EMPRESS, HARTLEY ELINE, McHENRY BARBARAS, ZARAS, McHENRY BLACKCAPS, ERICA, BLACKBIRDS, and other dependable tribes—nothing finer. Rich in SUNBEAM, EILEENMERE, BANDOLIER, BELL BOY Breeding. The consignors are:

	Bulls	Females
A. T. ALTICK & SON, Osage	0	1
DEAN ANDERSON, Joice	1	1
LEON CLAPSADDLE & SON, Sweet City	3	0
E. W. FRANK, Lucerne	0	3
EUGENE GREYMAN, Ventura	0	3
ADDIS GREIMAN & SONS, Garner	2	2
CLARENCE GREIMAN, Garner	1	0
H. A. GREIMAN & SONS, Garner	1	0
HOWARD HANSEN, Bowen	1	2
MRS. AGNES HANSEN, Bowen	1	2
W. L. HAYES, Webster City	1	0
WM. IMLAU, Kanawha	1	0
GERHARDT KRAGEL, Hampton	1	0
LISLE C. KRUGE, Chapin	1	0
HOWARD MARKWARD, Sheffield	0	2
MALLORY & MALLORY, Hampton	0	5
MRS. MARY MALLORY, Hampton	1	2
MELVIN McALPIN, Belmond	2	0
MILLER & DUMGARNER, Hampton	5	0
MARVIN NEDENIUS, Parkersburg	2	1
RASMUSSEN BROS., Forest City	3	0
RYAN V. SAGE, Waterloo	1	1
ROBERT SEATER, Northwood	0	2
J. C. SHOWALTER & SONS, Hampton	4	5
M. LAND & M. THOMPSON, Kanawha	0	4

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CARROLL, IOWA

FRIDAY, JUNE 3rd

GUEST CONSIGNORS:

George Witt, Arcadia, Iowa
Frank Berg, Kiron, Iowa

18 Bulls . . .

The best group of bulls ever offered by Hoelscher Bros.
14 Strong serviceable age two-year-olds or coming two-year-old.
4. September yearling bulls.
They are sired by Barmar Quality H., Eileenmere HB or Eileenmere H. 141st.

16 Bred and Open Heifers . . .

8 Bred heifers served to Hoelscher Bros. new herd sire, Eileenmere 1247th, a son of Eileenmere 1100th and out of the same dam as Evermere T. His service is one of the big features of the sale.

George Witt Consigns:

1 Herd Bull . . .
Ex Bando Longview, five-year-old son of Kirschbaum's Evan Bandolier of Longview 2d.

4 Females . . .
Two are Blackcap heifers . . . daughters of Ex Bando Longview and granddaughters of Juana's Revolution 3d of Ada. Will calve by sale date to Witt's Laddie. 1 heifer is a daughter of Burgess 11th of Ida. Safe in calf to Eileenmere 1332d, son of the "500", herd bull now in service.
1 cow . . . a K. Pride with female calf at side, may be rebred to Eileenmere 1332d, good son of the "500th".

Frank Berg Consigns:

5 Females . . .
Phrasie 55th 1134358
Pride Eline of Kiron 1409126
Karama Barbara F. B. 1725041
Eldorenes Barb Eileenmere 1796097
Eileenmere Flower Queen 1900087
All carrying the service of our herd bull, Barbarian Eileenmere 86th by Homeplace Eileenmere 99th.

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HOELSCHER BROS., ARCADIA, IOWA

Auctioneer, Freddie Chandler Arch Stone, Fieldman

LIVESTOCK NEWS

The 23rd semi-annual **Northeast Missouri Hereford** association sale held at Memphis April 20 attracted a good sized crowd from Illinois, Iowa and a wide territory in Missouri. It was a nice day and the consignors presented a good offering. However some of the females were young.

The 28 bulls averaged $287; the 34 females $189, and the 72 lots $241.

The top of the sale was bull lot two, BHR Reg. A 5th, consigned by Kenneth L. Sanford, Macon, Mo., and sold for $1,000 to Ralph Brammer, Murray, Iowa. Second top was lot 36 bull, Prince Publican 6th, entered by Norris E. Gaffney, Memphis, Mo. He sold for $710 to Lester Dempsey, Quincy, Ill.

The top female was lot three, BHR Miss Resolute 76th, entered by Chas. Bianchi, Macon, Mo. She sold for $500 to McCalment Farms, Unionville, Mo. Burns Hereford Farms, Pulaski, Iowa, sold the second high female on lot seven, Miss Larryy B Dom 39th. She went to Boyd & Munger, Plymouth, Ill., for $445.

The sale was managed by Vernon Winkler, Memphis. Auctioneer was Emerson Marting.

"Quality plus Pedigree" offered in the **Bones Hereford Ranch** annual spring sale April 20 at Parker, So. Dak., drew a very large crowd, including many of the nation's leading breeders, both purebred and commercial. The attractive offering showed much weight for age, smoothness, and good hair coats. Averages were as follows:

40 bulls averaged $1,139
23 females averaged $536
63 lots averaged $928

Top of the offering was BHR Prince Real D. 64th, a son of Real Prince D. 78th, selling to Peterson Bros., Ogden, Utah, at $3,825. Sherman Burns, Sheridan, Wyo., paid $3,050 for BHR Beau Aster 204th, a son of Beau Aster 12th.

Orville Matz, Sturgis, So. Dak., paid $1,200 for the top selling female, BHR Lady Aster 1st, a daughter of Beau Aster 12th, bred to Real Silver Knight 3d. Two females brought $1,000 each. Mr. Burns paid $1,000 for BHR Lady Prince 76th, a daughter of Real Prince D. 71st, and Orville Matz took home BHR Lady Battle 1st, a daughter of Battle Pioneer 14th, at $1,000.

Cols. Chas. Corkle and Howard Schnell cried the sale.

Hereford Field Day

The Northwest Iowa Hereford Association will hold its annual field day Sunday, June 12, at the Clay County Fair Grounds, Spencer, Iowa. There will be several classes for the public and for 4-H and F.F.A. members. There will also be a type demonstration with the show. Bring your picnic basket, and all will have a pot luck lunch at noon. For more information, write to Henry Moore, secretary, Cylinder, Iowa.

The seventh annual spring sale of **Wayne County Angus Breeders** at the Webb sale pavilion, Corydon, Iowa. April 28 brought out a very good attendance, and they made a successful sale. The results were:

16 bulls averaged $280
39 females averaged $205
55 lots averaged $225

The top bull, Prince of Lockmoor, from the Tom S. Lockridge herd, went at $500 to Dale Cooper, Lenox, Iowa. Teddy of Lockmoor, another Lockridge entry, sold for $475 to Harold Hawk, Mystic, Iowa. Blackmere of Mount Hope 2nd, owned by Dewey K. Ivins, brought $360 and was secured by W. H. Parker, Humeston, Iowa. Barmere G. 54th from the Colan Green farm sold for $315 to J. A. Hoover & Son, Centerville, Iowa. Bellbirds Blackcap 2d of N., a Neill Farm entry, went at $300 to Ernest King, Corydon, Iowa.

The top female was Blackcap McHenry B. 48th consigned by Clinton C. Hellyer, and sold for $335 to Bob Camp, Cambria, Iowa. Eileen Edella Lou C. from the Harry E. Couchman farm sold for $330 to Bob Camp. Fadolis E., a Tom S. Lockridge heifer, sold for $310 to Russell Wooster, Lenox, Iowa. Lassie 3rd, another Lockridge heifer, sold for $305 to Russell Wooster. All went to Iowa buyers. Tom S. Lockridge managed the sale. Auctioneers were C. V. and Vern Webb.

A tip from the entomology department at Purdue University suggests an examination of the backs of cattle for grubs. These pests damage hides and lower gains and milk production. Control can be obtained with rotenone. Use a 1½ percent rotenone cattle grub powder and rub well into the grub openings. Sprays and washes of rotenone can also be used.

"It says here the Joe Leonards are leaving for a two weeks vacation in Florida . . . Hey, that's us!"

4TH ANNUAL STATE SHOW & SALE

WISCONSIN ANGUS BREEDERS ASSOCIATION

SHOW—9:30 A. M. Judge: Roland Eilers SALE—12:30 P. M.
Rock County Fair Grounds

JANESVILLE, WISCONSIN

WEDNESDAY, JUNE 1

15 RUGGED BULLS — 44 CHOICE FEMALES

Rich in the most popular blood lines, such as
BANDOLIER — ROSEMERE — SUNBEAM — EILEENMERE—
HARTLEY and BELL BOY Breeding

THE BULLS—11 are long yearlings and two-year-olds, ready for heavy service. Four 1954 calves . . . soon ready to use. Bulls that will please, Herd Bull Prospects.

THE FEMALES—16 most desirable bred heifers, mated to high-class herd sizes. 28 very attractive open heifers . . . ideal age to mate to your own Herd Bull. An offering with quality, rich in top blood lines which include BLACKCAP BESSIE, BLACKBIRD, PRIDEMERE T., BLACKCAP, QUEEN MOTHER, WOODLAWN BLACKBIRD, PRIDE, MISS BURGESS, ROSEMERE BARBARA, KATINKA, McHENRY BARBARA, MIGNONNE, BLACKCAP EMPRESS, JILT, ERICA, MISS COPELAND, nothing finer. Your last opportunity of the season to secure a good bull of serviceable age. Ask for FREE catalog. Kindly mention this publication. Address

MRS. HAROLD AUSTIN, Secy., LANCASTER, WISCONSIN

Auctioneer, Hugh James T. W. Sherlock, Fieldman

ADDIS GREIMAN & SONS, GARNER, IOWA

Selling at Mason City, Iowa, June 1st

2 BULLS 2 FEMALES

Two sons of **PRIDE'S QUALITEER OF HILL CREST.** Bulls that will meet the needs of those looking for real herd improvers.

Two females include a **BLACKCAP BESSIE** heifer descending from the most sought after strain. We bought our foundation Blackcap Bessie cows from the late Kenneth McGregor. Look this "Bessie" over sale day. The other heifer is a Rosemere Barbara, and one you will like.

Visit our farm any time. Just south of town.

LIVESTOCK NEWS

The attractive group of well presented **Angus** at the Warren County sale, April 26, drew a fairly good crowd of breeders from the three state area. There was much favorable comment of the bulls selling and demand was very strong. Averages were as follows:

23 bulls averaged $359
39 females averaged $204
62 lots averaged $261

Glen Ru Farm, Indianola, Iowa, brought out the top selling bull, Eileenmere G.R. 10th, a son of Eileenmere 1154th, selling to George Western, Afton, Iowa, for $580. Dewey Hall, Stanberry, Mo., paid $535 for Elba Prince 2d of S., a son of Prince Bertram W. 6th, consigned by Frank B. Spear and Sons, Lacona, Iowa.

Cozy's Evergreeen Erica 2d, a 1948 daughter of Bell Boy R.W. from the consignment of J. P. Cozad and Son, Indianola, Iowa, brought $285, selling to Robert Cardell, New Virginia, Iowa. Three bred heifers brought $280 each. They were consigned by J. P. Cozad, Glen Ru Farm, and Roy R. Henry and Sons, Indianola, Iowa.

Col Keith Goode cried the sale.

The **Midiowa Hereford Association** 10th annual spring show and sale held at Marshalltown, Iowa, April 25, attracted a large crowd of good buyers. The show was held in the forenoon with E. O. Johnson, Milford, Iowa, doing the judging.

The 62 bulls averaged $296; the 29 females $164, and the 91 lots $254.

The champion bull was lot 17, Alvin Mischief, a five-year-old consigned by H. W. Hardin, Indianola, Iowa. The buyers were Merton and Verne Wright, Mt. Pleasant, Iowa.

The top of the bulls was lot 110, CHP Triumph 1st, entered by Joyce Ann Pine, Williamsburg, Iowa, and sold for $645 to Walker & Martin Mapledale Farm, Wykoff, Minn. He was the reserve champion bull.

The female champion was lot 99, SV Helmsman Lady 25th, entered by Stanley Vance & Son, Dysart, Iowa. She sold for the top to Gerken Hereford Farm, Oelwein, Iowa, for $285. Reserve champion was lot 16, Cedardale Nan, entered by Clampitt Hereford Farms, New Providence, Iowa. Her buyer was Ashby & Crowder, Grinnell, Iowa, for $230. All the cattle sold to Iowa buyers with the exception of two head to Minnesota.

The sale was managed by Mrs. Harold Peterson. Auctioneer was Fred Chandler.

The **Circle A Hereford Farm** dispersion and production sale of breeding cattle held on the farm near Morris, Ill., April 22 and 23 attracted a large crowd from many states.

80 bulls averaged $648
182 females averaged $450
262 lots averaged $503

The top of the sale was lot 10 bull, CA Larry Domino 134th. His buyer was Caw Caw Plantation, Orangeburg, S. C., for $9,250. The second top was lot 43 bull, CA Larry Domino 88th, champion of the 1954 Illinois State Fair and the 1955 Arizona National Register of merit shows. He sold to Bea-Mar Farms, Washington Court House, Ohio, for $5,100. Wagner Hereford Farms, Pulaski, Iowa, bought lot one bull, CA Larry Domino 104th, for $2,000. A full brother to this bull lot 12, CA Larry Domino 168th, a September yearling, sold for $700 to Henry Kohlenberg and son, Ralph.

The high on females was lot 50, CA Larryette 127th, champion female of the 1954 Illinois State Fair. She sold for $2,650 to Wm. Dassow, Chicago, Ill. Hillcrest Farms, Pocahontas, Ill., were the buyers of the second high female on lot 75, CA Larryette 172nd, for $1,600. All the cattle mentioned were by the register of merit sire, MW Larry Domino 133rd.

This establishment is owned by Fred Anderson. The sale managed by Sam Marting. Auctioneers were Fulkerson, Corkle, Marting, Shaw and Schnell.

"That's fine, Mrs. Pratt. Now try holding it still for a minute."

Members of the **Iowa Southern Angus Association** staged one of the best bull sales of the current season at Osceola, Iowa, April 25. Bidding was rapid, and demand was very strong for the service age and near service aged bulls. The first 40 bulls thru the ring averaged $406. Much of the female offering was made up of open heifers, and females were rather slow to move. Averages were as follows:

50 bulls averaged $375
31 females averaged $149
81 lots averaged $301

Ralph O. Mills, Winterset, Iowa, paid $860 to own the champion and top selling bull, Revileen BAS 5th, a May '53 son of Revolution of Pagemere 2d, consigned by Bell and Sons, Osceola, Iowa. Eileenmere T. 18th, a January '54 son of Homeplace Eileenmere 299th from the consignment of C. H. Thompson, Eagleville, Mo., was reserve champion, and brought $650, the bid off M. E. Rhodes & Son, Bayard, Iowa.

Top on females was $350 paid by Talty Angus Farms, Corning, Iowa, for Miss Burgess 2d of Bi Van, a bred Maid of Bummers daughter of Bandolier 188th of Wilton consigned by Ben and Vera Ivins, Corydon, Iowa. Harold O. Wilson and Sons, Creston, Iowa, brought out the champion female, Blackcap H.W. 2d, selling to Robert Wolf & Sons, Indianola, Iowa, at $250. Harold Cline, Allerton, Iowa, paid $340 for the reserve champion female, McKinzies Bardoride 17th, consigned by McKinzie and Son, Macksburg, Iowa.

Col. Ray Sims cried the sale.

The 12th annual show and sale of **Southeast Iowa Angus** breeders at Mt. Pleasant, Iowa, April 23 under the able direction of Kenneth Redfern was very successful. The results follow:

26 bulls averaged $386
64 females averaged $263
90 lots averaged $302

Dick Nobis, Davenport, Iowa, made the awards in a most capable manner. The champion bull, Eileenmerer 40th, from the Kenneth Redfern herd, sold for $575 to Don Jarvis, Yarmouth, Iowa. Reserve champion Bandolier E. 10th, showed by Boyd Emde & Sons, topped the bull sale at $770 and was secured by Everett Wright & Son, New London, Iowa. Prince High Lawn 35th from the E. H. Rotter & Son farm sold for $550 to Harold Wagner, Mt. Sterling, Ill. Verity Lad, from the Raymon L. Kile farm sold for $500 to Arthur Hatch, Donnellson, Iowa. Prince Bardolier M. 3rd, an entry from Henry McCleary farm, went at $450.

The champion female, Maple Lawn Elsa N. 4th, from the C. H. Nau & Son herd, went at $360 to S. T. Gates & Son, Sigourney, Iowa. Reserve champion, Blackcap Poess S., shown by V. L. & E. N. Shepperd, sold for $390 to Wilkinson Bros., Iowa City. Barbara Green of S., another Shepperd entry, went at $390 to Wilkinson Bros. The top female was Gammer R., a May heifer by Eileenmerit from the Redfern farm and sold at $1,750 to Roland Acres, Little Rock, Ark. The second top female, Georgina of L.&E., a L. W. Leisure heifer went at $540 to Ed Pretz, Columbus Jct., Iowa. Prairie Hope Burgess Maid 8th from the C. H. Nau farm sold for $400 to Goose Creek Farm, Muscatine, Iowa. Auctioneer was Ray Sims.

Field Day

Iowa Polled Shorthorn Breeders, will hold their Field Day, Saturday, June 4, at the Otto Johnson farm, near Lohrville, Iowa. An instructive program has been arranged. All are cordially invited, come and bring the family.

University of Illinois tests on 256 different hybrid corn varieties showed important differences between varieties in resistance to leaf burning in southern Illinois last summer during the severe drouth and extreme heat.

It takes about one part of nitrogen to 10 parts of carbon to make organic matter on the soil.

WAYLAND HOPLEY FARMS ANGUS DISPERSION

Mon., June 6th, Atlantic, Ia.

PALOMAR PRINCE—$23,000 son of Prince Sunbeam 46th, and sire of Princess Birdmore Lass, Jr. Chr., Res. Gr. Ch., or Gr. Ch. female at leading shows on the west coast. He, and 31 of his daughters will sell.

PRINCE SUNBEAM 690th—A grandson of Prince Sunbeam 29th. Four International Grand Champions show in his pedigree. He, and 10 of his daughters will sell.

PRINCE PEER 11th OF ANGUS VALLEY—A grandson of Prince Sunbeam 105th. He, and 14 of his daughters will sell.

151 LOTS

16 Bulls **135 Females**

6 Great Herd Sires

PALOMAR PRINCE (pictured).
PRINCE SUNBEAM 690th (pictured).
PRINCE PEER 11th of ANGUS VALLEY (pictured).
BLACK KNIGHT 17th of ANGUS VALLEY—A son of Black Peer 28th of Angus Valley. He and his sons and daughters sell.
EL PROUDMERE—A son of Proud Eileenmere G.H. His first calves are on the ground, and they are very outstanding. They have strong heads, and are short coupled with plenty of bone. Most of the bred heifers selling will carry his service, and many first calf heifers have calves at side by him.
PRINCE BLACK BLOSSOM—A top son of Prince Sunbeam 690th from the Junior Champion female at the Nebraska State Fair.

4 Two-Year-Old Bulls
6 Long Yearling Bulls

The Hopley herd has long been known as a working, beef producing herd. ALL of the females except the 33 open heifers selling, will have calves at side, or will be showing well along in calf. As in all dispersions, some of the females will show some age, but they are top producers, and have been retained because of their ability to consistently produce outstanding calves. The offering will be rich in the blood of Eston of Quality, one of the breeds top sires.

POPULAR FAMILIES SELLING WILL INCLUDE:

2 Rosebuds	5 Beulahs
2 Heroines	2 Gammers
Elluna	4 Georginas
Juana	Lucy
Erica Marlene	Maid of Bummers

And other good standard families

INCLUDED IN THE OFFRING WILL BE:

4 Daughters of Eston of Quality
24 Granddaughters of Eston of Quality
8 Daughters of Proud Eileenmere G.H.
6 Daughters of Imported Kuban of Thorn

All are invited to be with us on sale day. Send now for your FREE catalog. Please mention this publication. Address

WAYLAND HOPLEY FARMS -:- -:- ATLANTIC, IOWA

Auctioneer: Johnston & Sims — Arch Stone, Fieldman

WINDSOR PLACE HEREFORDS

Sale at Farm, 8 miles south of

BOONVILLE, MISSOURI

Saturday, June 4th

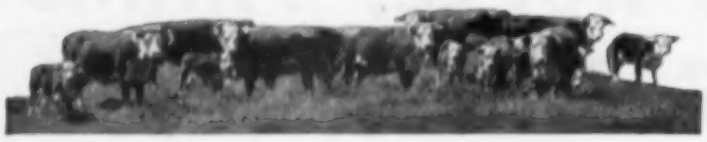
150 HEAD

SELLING AS 105 LOTS

60 Cows — 40 With Big Lusty Calves at Foot

25 Attractive Bred Heifers — 10 Yearling Heifers

10 Excellent Young Bulls — Herd Bull Prospects



A grand offering from one of the best herds of the breed, rich in top blood lines. The 10 bulls include summer yearlings, ready for service and a few senior calves . . . a few straight **ANXIETY 4th** bred ones. Genuine Herd Bull prospects.

THE FEMALES—Include 60 wonderful brood cows, 40 have big lusty calves at side and rebred. Most of the calves are by **H. & D. TONE LAD 348th.** Other cows will calve this fall. 25 outstanding bred heifers mated to **WP DOUBLE ZATO 8165487.** 10 outstanding yearling heifers, several are out of the show barn, a few are daughters of **H. & D. TONE LAD 348th.** Ideal for foundation purpose.

Truly one of the top cow herds in Missouri and they are selling equally as good cows as they are keeping in the breeding herd. A sale you will want to attend. Plan to come. Ask now for **FREE** catalog. Kindly mention this publication. Address

W. C. WINDSOR, Owner, WINDSOR PLACE, BOONVILLE, MO.
Lawson Nichols, Manager

Auctioneer, Jewett Fulkerson — Arch Stone, Fieldman

12TH ANNUAL

NORTH IOWA HEREFORD SALE

Sale at the North Iowa Fair Grounds. Sale time: 12:00 Noon.

Mon., June 13, Mason City, Ia.

SELLING 60 HEAD

50 BULLS — 26 Horned, 24 Polled
10 FEMALES — 5 Horned, 5 Polled

Included will be 30 big rugged bulls ready for immediate service and 20 top yearling bulls. Females are a desirable lot. You will like the offering. All T.B. and Bangs tested.

Send now for your **FREE** catalog. Please mention this publication. Address

LEIGH R. CURRAN, Sale Mgr., MASON CITY, IOWA

Auctioneer, Tom Sherlock — J. E. Halsey, Fieldman

MINNESOTA MILKING SHORTHORN BREEDERS

Roy Nelson Sale Barn

BENSON, MINNESOTA

TUESDAY, JUNE 7th

COWS IN MILK — SPRINGING COWS — BRED HEIFERS — OPEN HEIFERS

2 BULLS 18 MONTHS OLD — BULLS AND BULL CALVES

Selected from leading breeders of the state. Rich in best blood lines, pleasing in quality. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

CLARENCE J. VOEHL, Secy., LAKEFIELD, MINNESOTA

2nd Annual

WISCONSIN POLLED HEREFORD SHOW AND SALE

SHOW—9:00 A. M. Judge: Leland Herman SALE—1:00 P. M.
50 mi. W. of Madison, 30 mi. N. of Dubuque, Iowa—At Fair Grounds

LANCASTER, WISCONSIN, SATURDAY, JUNE 4th

30 BULLS — 65 HEAD — 35 FEMALES

Most of bulls are ready for heavy service. A fine selection of females, both bred and open heifers. Write for **FREE** catalog. Kindly mention this publication. Address

W. M. HANLEY, Secy., 1806 Keyes Ave., MADISON, WISCONSIN
Auctioneer, T. W. Sherlock

LIVESTOCK NEWS

Altho the turn out was not large, most of those present were there to buy, and bidding was rapid, and at times, spirited, at the **Fred Ekstrom Angus** dispersion sale at Trimble, Mo., April 29. The offering was made up of good beefy cows and heifers of standard families, and averages were as follows:

100 females averaged $235
2 bulls averaged $445
102 lots averaged $239

Top of the auction was $550 paid by Ed Cheatum, Belton, Mo., for Oakstream Eileenmere, a five-year-old grandson of Eileenmere 487th. Henry Snow, Graceland, Mo., paid $340 for Oakstream Eileenmere 27th, a September '52 son of Oakstream Eileenmere.

John O'Connor, Plattsburg, Mo., paid $525 for the top selling female, Oakstream Elba 6th, a daughter of Oakstream Eileenmere, with bull calf at side. Mr. O'Connor also paid $500 for four other cows in the sale.

Cols. Ray Sims and Russell Feeback cried the sale.

The annual sale for **Ginsbach's Polled Herefords** held on the farm near Dell Rapids, So. Dak., May 2 attracted a large crowd from many states.

It was one of the warmest days of the spring. They presented another exceptionally good offering in both bulls and females.

30 bulls avvraged $1,062
28 females averaged $400
58 herd averaged $743

Top of the bulls was lot 16, GPH Don Perfect 11th, a three-year-old son of Carlos Perfect 4th. He sold for $3,850 to Carl A. Norgren, Denver, Colo. Second high was lot three, GPH Carlos Perfect 2nd. His buyer was Ronald Waddell, Isabel, So. Dak., for $2,500. River Beacon Farms, St. Paul, Minn., took lot seven, GHP Perfect Aster 67th, for $1,750. Kelleher Farms, Winterset, Iowa, got lot 11, GPH Perfect Aster 68th, for $810.

High on females was lot 48, GPH Esther Perfect 2nd, an open heifer. She sold for $1,000 to Double H-Z Farms, Hamilton, Ohio. John E. Rice Wrench Ranch, Sheridan, Wyo., was buyer of the second high heifer on lot 37, Miss Dale Battle for $750.

This herd was established in 1907 by Frank Ginsbach, who is still active in the business with his son, Pete Ginsbach, and son-in-law, L. G. Elsinger. Pete Ginsbach managed the sale. Auctioneers were Charlie Corkle and Fred Chandler.

The **Broadview Farm Shorthorn** sale at Clarinda, Iowa, April 29 attracted a nice sized crowd. Owner Lisle Farquhar of Coin, Iowa, had the cattle looking good and the buyers bid rapidly.

The nine bulls averaged $249; 36 females $188, with 45 head at $200 average.

Top bull was lot two, Broadview Royal Leader. He sold for $355 to Bob Lorenzen, Dana, Iowa. Lot three was second high, Broadview Starry Archer 25th. He went to Harry Mullen, Stanton, Iowa, for $295.

Paul Gamble, Shenandoah, Iowa, bought both the top and second high female. Lot 26, Broadview Secret 2d, was top for $295 and lot 25, Broadview Augusta 3d, was second for $280. Mr. Gamble was the heaviest buyer taking several head of the mature females. All the cattle sold to Iowa buyers except one. The sale was managed by Albert Hamann. Auctioneer was J. E. Halsey.

Feed stilbestrol only to fattening cattle, warns a University of Illinois livestock specialist—never to breeding cattle, hogs, sheep or chickens.

Control cattle grubs by rubbing 1½ percent rotenone dust well into the backs of the cattle once a month thru May.

Why DHIA Members Culled Cows

More than 11 percent of the cows removed from Iowa Dairy Herd Improvement Association herds in the 1953-54 testing year were removed because of sterility, according to Floyd Arnold, extension dairyman at Iowa State College.

This one cause alone is greater than the loss to these Iowa dairy herds from deaths, accidents and old age combined. Next most destructive health hazard for the dairy cows was mastitis. More than 10 percent of the culls had to be removed because of this disease. Third was brucellosis—contagious abortion—which accounted for 3.8 percent of the culls.

All health reasons together accounted for 34.1 percent of the cows removed from the herds. Low milk production by the cow accounted for 34.3 percent of those removed from the herds.

These two factors caused 68.4 percent of the removals of cows from herds. Arnold believes this points to the importance of two practices for dairymen: breeding for high production and maintaining herd health.

Arnold points out that a heifer makes the dairyman no money until she freshens the first time. Then it takes about two lactations for the average cow to pay for herself. The dairyman has had no profit from her if he has to cull her before she is four years old.

The way to have cows you can keep until they pay profits is to keep only those calves that carry bred-in capacity for high production and to raise them in a herd where you have a thoro sanitation, disease testing and disease control program.

Keep Baby Pigs From Chilling

You will have more hogs to sell next fall if you keep newborn pigs from becoming chilled.

Dr. P. D. Beamer of the College of Veterinary Medicine at the University of Illinois says that young pigs coming into the world in cold weather will chill quickly if neglected.

Dr. Beamer thinks that a pig brooder is the answer. An inexpensive brooder made from a light bulb and a reflector located in a corner of the farrowing pen will soon pay for itself in the extra pigs you will save.

Locate brooders where young pigs can get under them but where the sow can't knock them down or bite the electric cord. Also put them high enough above the floor to keep bedding from contacting the bulb.

"The car? . . . Son, you haven't even mastered roller skates yet."

1/3 of all HOGS recorded are DUROCS

1954 Official Recordings

DUROCS	92,090	Landrace	1,912
Hampshire	68,114	Minnesota No. 1	1,044
Spotted Poland	27,670	Montana No. 1	901
Poland China	21,758	Minnesota No. 2	505
Berkshire	21,437	Increases	306
Chester White	19,515	Beltsville No. 1	153
Yorkshire	17,243	Maryland No. 1	110
Tamworth	8,809	Ky. Red Berkshire	101
O I C	3,653	Beltsville No. 2	55
Hereford	2,261	San Pierre's	55

Reasons: Larger Litters — Faster Growth — More Red Meat — Greater PROFIT

UNITED DUROC RECORD ASSOCIATION

Duroc Building — **Peoria 3, Illinois**

Plow-Down Fertilizer

Fertilizer plowed down this fall with corn stalks, straw and other crop residues can be a money maker for next year, reports the Middle West Soil Improvement Committee.

The fertilizer will feed the soil micro-organisms to speed up the digestion of organic matter in the soil without robbing the soil of nutrients needed by the growing crop in the spring. This will help build better soil structure and make more certain the proper feeding of the crops planted next spring.

As soon as corn stalks and other crop residues are plowed under, says the committee, the population of soil micro-organisms doubles and triples to attack this organic matter.

Unless there are ample amounts of nutrients in the soil to build the bodies of these micro-organisms, their growth will be limited. As a result, the digestion of the organic matter will be slowed down and the organisms will compete with growing crops for the nitrogen, phosphate and other nutrients they need in common.

"As these soil organisms digest the organic matter," says the committee, "they produce sticky substances that help glue soil particles together into clusters or aggregates that make the soil grainy and porous. Thus water can soak in faster and more of it will be held for crop production."

A byproduct of good soil structure is the saving in power needed to till the land, says the committee. When the soil is open and grainy, less power is required to pull the plow and other tillage implements.

The committee points out that top-dressing cover crops sown in corn or green manure crops sown in small grains will increase the fall growth of these crops. Two benefits will result: 1—The soil will be better protected over the winter; 2—More organic matter will be added to the soil when these crops are plowed under.

"If these cover crops are grasses," says the committee, "then additional fertilizer may be needed when they are plowed down in the spring so that the soil organism will not compete for nutrients with the growing crops."

Bull Thistles Poisonous

The variegated thistle, commonly called the milk or bull thistle in many areas, now has joined the list of poison plants in the United States, according to an article in the Journal of the American Veterinary Medical Association.

A study of the death of several cattle in California indicated nitrate poisoning caused by eating variegated thistle was the cause. Previous to this report, this thistle had not been incriminated in the United States as a poisonous plant. In some areas, it is used in the mature stage as a winter feed. However, New South Wales has had many cases during the last six years listing variegated thistle as the cause of nitrate poisoning.

The variegated thistle is a herbaceous annual or biennial, two to six feet in height depending on the moisture and fertility of the soil. It has an erect stem usually branched in the upper part.

Symptoms of the nitrate poisoning noted in the affected cattle were blue discoloration of mucous membrane; rapid pulse, accelerated and labored breathing, weak and staggering walk and diarrhea. Following inspection of the premises, it was noticed that the animals had been pastured on an area containing a luxuriant growth of the variegated thistle. Confirmation of the diagnosis was made in a feeding experiment, according to the veterinary authorities.

Animals in the affected herd showing only slight symptoms of the poisoning were moved to a new pasture, free of the thistle, and no further deaths occurred.

Boost Pasture Profit

"Underprivileged" pastures can be rebuilt to profitable, high yielding levels by good soil management methods, reports the Middle West Soil Improvement Committee, in citing a recent statement by Dr. G. E. Smith, University of Missouri agronomist.

Smith points out that pastures generally are "the most neglected of all farm crops.

"A good deal of the Corn Belt's pasture land," he says, was low in fertility to begin with, or it has been exhausted by constant cropping. As a result, most pastures are producing low yields of poor quality forage."

An investment in pasture improvement on these low yielding fields can pay big returns, according to Smith.

"College experiments and results under practical farm conditions have indicated that hay yields can be increased from less than one ton per acre to more than six tons by soil building measures including the application of high nitrogen fertilizer," said Smith.

"In many midwestern demonstrations, too, meat production has been increased from less than 100 pounds to more than 500 pounds per acre when fertilizer was added."

Increasing attention is being given to the use of nitrogen along with phosphate and potash to keep a proper balance of grasses and legumes in the pasture growth, Smith declared.

Soil tests can be a guide in determining the amount and kind of nutrients needed, he said.

Milk at breakfast time helps prevent mid-morning fatigue—often accompanied by headache or muscular tremor. A child who has had little or no breakfast becomes tired and restless in mid-morning. Miss Lois Oberhelman, extension food and nutritionist at Purdue University, explains that such midmorning fatigue makes it impossible for a child to give his undivided attention to his school work.

A University of Illinois agricultural engineer says that tile systems don't "wear out," but they can suffer from lack of care.

Clean, dry quarters will help keep influenza away from your hogs.

GRAMPS AND HARLEY—He'll even forget the interest, Sam

45TH ANNUAL

Minnesota Shorthorn Breeders

Fair Grounds Sale Pavilion

SHOW — 9:00 A. M. **SALE — 12:30 P. M.**

Judge: Kenneth F. Kettenhofen, Elkhorn, Wisconsin

Blue Earth, Minn., Thursday, June 2nd

32
SPLENDID BULLS

28
WELL-BRED FEMALES

One of the best offerings ever presented by the Minnesota breeders selected from 20 leading herds. The 32 bulls include 3 tried and proven sires, 11 big rugged bulls, 10 yearling bulls of breeding age and 8 young bulls soon ready to use. The 28 females include 4 cows with calves at side and rebred, 3 bred cows, 11 bred heifers and 10 open heifers. They are by top quality sires and rich in best blood lines. The consignors are:

Ira Bellmore & Son.....Kent, Minn.
Chas. Bjerstad.....River Falls, Minn.
Ralph Bryan.....Red Wing, Minn.
Bennett Camery .....Worthington, Minn.
Melvin Camery .....Worthington, Minn.
R. T. Conway.....Houston, Minn.
Diderrick .....St. Charles, Minn.
S. E. Drewery.....Randolph, Minn.
Roland Esterly .....Albertaville, Minn.
Wm. Fenner .....Fairmont, Minn.
Norman T. Findahl.....Waterville, Minn.
Irving Hansen.....Walnut Grove, Minn.
Vern Heather .....Wadena, Minn.
George Laurisch...Minnesota Lake, Minn.
McIver Bros. .....Farwell, Minn.
A. J. Peterson.....Alpha, Minn.
Kenneth Rust .....Lismore, Minn.
Sandness Bros. .....Peterson, Minn.
R. H. Twait.....Chokio, Minn.
Wesley Sylvester & Son.Waterville, Minn.

You will find this an offering that will please. Your opportunity to make admirable and profitable selections. All cattle T.B. and BANGS tested. Ask for FREE catalog now. Kindly mention this publication. Address

NORMAN T. FINDAHL, Secy., WATERVILLE, MINN.

Auctioneer, J. E. Halsey T. W. Sherlock, Fieldman
Clerk, Ella Marie Lausen

BANQUET—Hotel Wellington, Blue Earth, June 1st, 6:30 P. M.
Everyone cordially invited.

What you look for in champions—you find in EDELLYN SHORTHORNS. Join the world's most discerning beef cattle audience for the

EDELLYN FARMS SALE OF SCOTCH SHORTHORNS

BEAUFORT BULLDOZER, whose service is a feature of this sale—he sired both 1954 International grand champions.

Thomas E. Wilson, Owner
Fred McWilliam, Manager

Wilson, Illinois
Monday, June 6th

Sale at 12:30 P. M. C.S.T., at the farm, 2 miles west of Waukegan, 40 miles north of Chicago

42 LOTS

10 Bulls, all 13 months or over—32 beautiful females—23 bred, 12 to BEAUFORT BULLDOZER, sire of BOTH 1954 International grand champions. Many top prize-winners.

The word "Edellyn" has come to stand throughout the world, for everything that is great in Scotch Shorthorns. Only a thorough study of the catalog can reveal the wealth of this offering—the greatest offering yet presented by this leading herd.

Shorthorns are unequalled for quiet dispositions, early maturity, and weight for age. Write at once for the beautifully illustrated FREE catalog. Kindly mention this publication. Address

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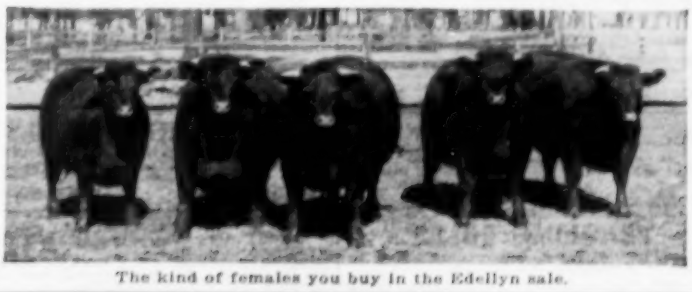
Auctioneers, Halsey and Swaffar T. W. Sherlock, Fieldman



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For Information, Contact

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ARNOLD ANGUS FARM

Home of THE "805th"

Four choice rugged, thick-fleshed, beefy sons offered by PRINCE SUNBEAM 805. One desirable son of PRINCE ESQUIRE OF SUNBEAM. All ready for service, rich in breeding. Pedigrees will please most discriminating buyers. COME! Look. Priced to SELL.

(Farm 10 miles S. on No. 71)

ARNOLD ANGUS FARM
Spencer, Iowa

M. B. ANGUS FARMS

PRINCE QUALITY OF SUNBEAM

His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. **BAR QUALITY M. B.** by Prince Quality of Sunbeam, **RAONA'S PRINCE ERIC 21st** by BLS Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S. W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on R5.

MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

FOR SALE

20 ANGUS OPEN HEIFERS
Mostly sired by our

EVEN BARDOLIER 10th

A son of Raona's Bardolier 3d
Calfhood vaccinated.

CLEMENT BROS. NEWTON, IOWA
Farm 4 miles west and 1 mile south

CHOICE ANGUS

BULLS FOR SALE
Sons of
EILEENMERE W. B.
Grandson of Eileenmere 4,87th and Eileenmere Eric by **EILEENMERE W. B.** They are **12** to **24** months old, ready for service. Herd bull prospects for Breeder or Farmer. They will sire top cattle. Visit farm any time.

I. E. KEMP MARION, IOWA

See the Attraction at Angus Sale
MASON CITY, IOWA, JUNE 1st
An outstanding

HEROINE

HEIFER

She will please those looking for a foundation female.

BILL IMLAU, Willene Acres
KENSETT, IOWA

CHOICE ANGUS

12 registered bulls, serviceable age, by **BLUEBOY LAD 100th OF IDA,** and **BANDOLIER 214th OF WILTON.** Also a number of excellent 2- and 3-year-old heifers by **BLUEBOY LAD OF IDA** and mated to **BANDOLIER 214th OF WILTON.** Genuine quality, rich breeding, priced right.

ELMER J. JOHNSON
Kiron, Iowa

ANGUS BULLS FOR SALE

10 Big, Rugged Serviceable Age Bulls

All are ready for heavy service. Also 8 bred females due to calve this summer.

SUNSET KNOLL FARM, AMES, IOWA
Farm 2 miles west on Highway 30
Phone 156W2

CHOICE TRIED SIRE
BEAUTY'S BELL BOY, 3-year-old Angus sire. His calves were among the TOPS in MARION COUNTY SALE. A real tried and proven sire. Also 3 yearling sons of **BANDOLIER W. 2nd.** REASONABLE.

OVERTON & HODGSON Pleasantville, Iowa

POLLED HEREFORDS

POLLED

HEREFORD HERD SIRES

LESKAN TONY REGULATOR DOMINO 12th, a 2,400 lb. herd sire. Choice Bulls all ages for sale by Herd Sire, Choice Heifers bred to H. K. SUPREME ANXIETY. One of the largest Polled Hereford Herds and 100% Polled calf crop. REASONABLE. Act Now. Phone 26F4.

EUGENE MARQUIS, OSCEOLA, IOWA

Double AA Hereford Farm

Offers choice Registered sons of **GOLDEN ASTER 86th** 672891. Visitors always welcome. REASONABLE.

ARTHUR E. ADER ROLFE, IOWA

YEARLING BULLS

Good growthy Polled Hereford bulls sired by Modest C. Lamplighter 7th for sale.

ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

POLLED HEREFORDS

POLLED HEREFORDS

We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.

Headed by: **BATTLE MIXER, P. ANXIETY ASTER.** Come look them over.

P. M. CHRISTENSEN & SON, LONE ROCK, IA

CURRAN POLLED HEREFORDS

For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 2d. Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

WESTHAVEN PLACE

WP Conqueress 44th

Breeding stock, both bulls and females, all ages, for sale at all times.

HERD BULLS
CAPTAIN PLATO 61st
MCV DOMINO
GPH PLUS PERFECT 4th
WP CONQUEROR 30th

Always welcome at our farm.

WESTCOTT BROS. DENISON, IOWA

POLLED HEREFORDS

Choice registered bulls 12 to 24 months old, one good tried sire and several excellent heifers, sired by **ROLLO MISCHIEF 16th** by ALF Beau Rollo 11th, son of Beau Perfect 246th and **Ken B. Domino,** by Banner Domino 56th, son of Banner Domino. Visit farm, see them. Priced right.

ELMER WILLEY VINCENT, IOWA

15 REGISTERED

Polled Hereford Heifers

6 to 12 months, by **REGULATOR DOM. 12th,** by pound or head. Bangs vaccinated.

EUGENE MARQUIS OSCEOLA, IOWA

HEREFORDS

HEREFORD DISPERSION

Reid Sale Pavilion

CARROLLTON, MISSOURI
THURSDAY, MAY 26th

Night Sale Starting at 7:00 P. M. (C.S.T.)

94 HEAD

2 HERD BULLS — 92 FEMALES

Many cows and calves — choice bred cows, and heifers. Rich in **WHR, MILKYWAY, ANXIETY 4th,** and **HAZLETT** breeding. The herd bulls: **M. W. LARRY MIXER 23rd,** son of Register of Merit M. W. Larry Domino 83rd, the sire of Royal and Denver Champions, and **G. T. ROYAL RUPERT 29th,** grandson of Turner's Ranch Register of Merit sire, **HAZEFORD RUPERT 81st.** Ask for **FREE** catalog.

PAUL WEST, Owner, Carrollton, Mo.

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Quality Hereford Cattle
JOHN DITTMER & SONS, LACONA, IOWA

FOREST GROVE FARM

One of Iowa's best herds of
HEREFORD CATTLE

Bulls in service
WHR Puritan Mixer 1st
By WHR Dual Mixer
FGF Pioneer Lad 15th
Champion Open Class 1951 Iowa State Sale, by Pioneer Lad 2d, Champion 1948 Iowa State Sale. Choice young bulls for your inspection. Farm 6 miles east, ½ mile south.

Herb Killian, Owner, Cedar Rapids, Ia.
PAUL WOLF, Manager

SKOW'S STOCK FARM

Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for bangs. Sired by **TH LARRY ONWARD 36th** 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.

JOSEPH A. SKOW WESLEY, IOWA

SHORTHORNS

SHORTHORN BULLS

Choice dark red sons of **SANDOON DIVIDEND,** a year old in March and April. Excellent type, quality and breeding. **Reasonable.** Act now.

LLOYD H. DAVIS OAKLAND, IOWA

SHORTHORN BULLS

2 choice roan grandsons of **SANDOON CAPTIVATOR.** (C. G. N.) 12 to 16 mos. old. Two grandsons of **CRUGGLETON WHAT'S WANTED,** 10 and 12 mos. old, dark red and roan. Priced for quick sale. Phone No. 6.

FRANK A. LAIDLER SOLDIER, IOWA

POLLED SHORTHORNS

IOWA POLLED SHORTHORNS

Everyone interested in good beef cattle is invited to attend the FIELD DAY AND PICNIC DINNER on Saturday, June 4th, at the OTTO JOHNSON farm, Lohrville, Iowa.

Write for list of Iowa Breeders who have breeding stock for sale.

IOWA POLLED SHORTHORN CLUB
Wayne A. Carr, Secy.
CINCINNATI, IOWA

SHADYBROOK FARMS

The place to buy that better Polled Shorthorn bull for less money, with that extra weight for age. Sired by our two herd bulls that weigh well over a ton each.

BERT A. HANSON, VERNON CENTER, MINN.
Farm 30 miles north of Iowa line on U. S. 169

BRAHMAN CATTLE

FOR SALE
BRAHMA BULLS

Purebred — All Ages — Gentle — Farmers' Prices

RICHARD NEUMANN, Rt. 3, GENESEO, ILL.

POLLED MILKING SHORTHORNS

Polled Milking Shorthorns

Choice Red and Roan Bull Calves, from **2** to **7** months old. Real buy at reasonable prices. Write for photos and prices.

SIG OTDOERFER, STRAWBERRY POINT, IA.

MILKING SHORTHORNS

MILKING SHORTHORNS

Choice red and roan bull calves, 4 to 9 months old. Also a few bred heifers. All from R.M. dams, backed by production and show record ancestry.

AUGUST BACHLE & SONS, MAYNARD, IOWA

JERSEYS

PIONEER HI-BRED CORN CO. JERSEY DISPERSAL

THURSDAY, JUNE 23d, 1955

JOHNSTON, POLK COUNTY, IOWA

At Pioneer Farms, 3 miles northwest of Des Moines on Highway 64

100 Head—PRODUCTION BRED JERSEYS
46 Cows — 46 Heifers — 8 Bulls
Iowa's Highest Producing Jersey Herd—1954

Herd Average, 42 Cows—591 fat, 9,130 milk. Herd Sire, Lilac Remus Unrivaled Garwin, from Brigham Herd, St. Albans, Vermont. Herd average over 600 lbs. fat, highest in U. S. over all breeds. Calfhood vaccinated. T.B. and Bangs tested. For catalog of sale, write

IVAN N. GATES, Sale Mgr., West Liberty, Ia.
Auctioneer, J. E. Halsey

MID-AMERICAN REGIONAL JERSEY SALE

WATERLOO, IOWA, TUES., JUNE 7

At Dairy Cattle Congress Grounds, 12:30 P. M.

45 HEAD—AMAZING QUALITY JERSEYS

25 Cows—All have records over 450 lbs. fat or 9,000 lbs. milk. All of "Very Good" or "Excellent" type.
18 Heifers—Heavy springing bred heifers, open heifers. From 450 lbs. fat dams of "Very Good" and "Excellent" type.
2 Five Star Bulls—Due from Excellent Ton of Gold Dam, 14 mos. old. Other 7-year-old AJCC Tested Sire. 19 daus. average 440 fat, by Zinnie's Advancer.

First sale of kind ever held in this area. Don't miss it. Plan now to attend. Calfhood vaccinated. All T.B. and Bangs tested. For catalog of sale write

IVAN N. GATES, Sale Mgr., West Liberty, Ia.
Auctioneer, Ray Elliott

JERSEY HERD AUCTION

At the Farm

JUNE 23, 1955, JOHNSTON, IA.

The entire herd—cows, calves, herd bulls and heifers. All of them sell.

Pioneer Hi-Bred Corn Co., Johnston, Ia.

J. J. NEWLIN

(See sale ad elsewhere in this issue)

GOLDEN SUNSET JERSEYS

58 years of heavy **production** is back of every one of our young **bull** calves. Send for **FREE** list. They are fine and priced to sell.

ENNIS JERSEY FARM FESTUS, MISSOURI

DAIRY CATTLE

Notice—Dairy Calves. If calves are shipped or delivered on approval, full responsibility is assumed when purchaser accepts delivery. Remember calves are young, some are small, which must be considered when buying.

WISCONSIN'S GOOD QUALITY

HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES

Any age. Will deliver any sized order on approval by truck

ROSS BLOTT, Box 527, MUKWONAGO, WIS.

DAIRY CATTLE

WANTED—ORDERS for high grade Wisconsin dairy heifer calves. Holstein and Guernsey. Bangs tested and vaccinated for shipping fever. Delivered by our truck, C.O.D. your farm in lots of 5 or more. Dairy heifers, open, bred and springing. Also cows available. Jay Shealor, Jr., Richland Center, Wisconsin.

LIVESTOCK FOR SALE

Saddle Horses—young registered.

American Saddle mares.

Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.

ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.

J. M. McFarland, Watertown, Wisconsin

SELECTED DAIRY HEIFERS

AND CALVES

from nationally known America's Dairyland sold on approval. Write for free information.

GREENWALD BROTHERS
Oakland Dairy Farms, WF, Mukwonago, Wisconsin

WISCONSIN HOLSTEINS AND GUERNSEYS

CHOICE COWS, HEIFERS AND CALVES
Delivered on approval.

JAMES E. WELCH, R. 1, MUKWONAGO, WIS.

HOLSTEINS and GUERNSEYS

Choice Dairy Heifers from **350** to **900** pounds. **HOLSTEINS 14c** per pound and **GUERNSEYS 13c** per pound. All heifers sold by the pound. Also Springing Heifers and Cows. Write or call.

LINK BROTHERS, INC. MINONG, WIS.

Wisconsin Holstein-Guernsey

Dairy heifers shipped to you on **APPROVAL** from **WISCONSIN** high production herds. Don't be misled, buy direct. Ask for **FREE** price list.

OTTO VANDERBURG, NORTH PRAIRIE, WIS.

HOLSTEINS

HOLSTEINS FOR SALE

MONTH OLD FOUNDATION HEIFERS.

Tested. Delivered your door collect. 50 or more on hand. Inspection invited.

GLENN CLARKE, Rt. 10, SO. ST. PAUL, MINN.

HOLSTEIN HEIFERS

We are offering the finest quality, beautifully marked heifers at lowest prices. Tested, ready for delivery. You would like these.

ED HOWEY SOUTH ST. PAUL, MINN.

RED POLLED

CHAMPION RED POLLS AT AUCTION

Saturday, June 4th

7 BULLS — 56 HEAD — 37 FEMALES

Females include 12 cows with calves at side. Also 4 National Champions, and breeding that has made production records to 735 lbs. of B.F. This is the Nation's most thoroughly proven dual purpose Red Poll herd. FREE ILLUSTRATED CATALOG. IT'S DIFFERENT! OVER 70 PHOTOGRAPHS! 68 PAGES. Get yours today. Please mention this publication. Address

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When writing to our advertisers, please mention that you read their advertisement in Wallaces' Farmer and Iowa Homestead.

RHINITIS Has Been CONTROLLED

In the November 7, 1953 issue an announcement titled "Rhinitis Can Be Controlled" appeared. This brought wonderful news to hog raisers who had almost given up hope because of this plague. On March 6, 1954, another announcement under the title "Some One Is Wrong" gave additional proof that it was not necessary to get rid of or destroy Rhinitis infected pigs. These announcements stated facts resulting from extensive research at Eagle Grove, Iowa. They told of successful treatments that gave definite and heartening results. Now, Dean W. Myers is again contributing information that is of utmost importance to every hog raiser.

Dean W. Myers

They Had RHINITIS

By Dean W. Myers

One of the pens of Rhinitis infected pigs that were put on the M & M control program. Facts from these tests have set hog raisers talking.

THESE pigs definitely had Rhinitis. The farmer was advised to destroy the pigs, clean up his yards, and stay out of the hog business for a while because there was no known cure or control for Rhinitis.

How many of you hog raisers have been told this?

We bought these pigs and they went to market. They were sold on a Grade and Yield basis to a Fort Dodge, Iowa, packing plant and they graded above average. We received a premium above market price for them.

This practice has been repeated many times and we have marketed hundreds of such animals that have graded above average, proof that *RHINITIS HAS BEEN CONTROLLED.*

The same pigs as shown in the above picture after being on the M & M Rhinitis Control Program. These went to market at a profit.

Therefore, we are of the opinion that it would pay you to contact the M & M Livestock Products Co. when Rhinitis strikes, and by all means before killing or disposing of your pigs. We can control Rhinitis and would like to have the pigs if you do not care to treat them yourself. Our program is simple and inexpensive. We have testimonials in our files from hog men throughout the Middle West, who have successfully used our plan and highly recommend it to their friends.

NOTE: M & M Livestock Products Co. has available for group meetings a technicolor, SOUND FILM entitled "They Go To Market." There is no charge other than postage for this film when requested by responsible people. This film reveals a Rhinitis story well worth your seeing.

We have a complete program worked out for the control of Rhinitis, and will be happy to mail it to anyone for the asking. Just write **M & M Livestock Products Co., Eagle Grove, Iowa, phone 22.** (Advertisement)

Need To Replace What Crops Remove

A lot of soil fertility goes to market every time a farmer sells his crops, reports the Middle West Soil Improvement Committee.

This drain on nutrient reserves can add up to a sizable fertility deficit each year, says the committee. For example:

A 100-bushel corn crop including stover, will take from the soil some 140 pounds of nitrogen, 54 pounds of phosphate and 135 pounds of potash per acre.

Fifty bushels of oats plus the straw will drain off 50 pounds of nitrogen, 20 pounds of phosphate and 115 pounds of potash.

Three tons of alfalfa will take 140 pounds of nitrogen, 35 pounds of phosphate, and 135 pounds of potash.

A 30-bushel wheat crop will remove 50 pounds of nitrogen, 20 pounds of phosphate and 30 pounds of potash per acre.

"Unless these withdrawals are balanced by deposits in the form of commercial fertilizer," says a statement issued by the committee, "your soil's fertility level will go down steadily.

"Only by replenishing nutrients removed by harvested crops and building up the soil's fertility reserves, can farmers get the extra low cost bushels per acre that enable them to make money when prices drop. In any soil building program, the use of commercial fertilizing containing nitrogen, phosphate and potash is vital in providing the crops with a balanced supply of bushel-boosting nutrients."

No Gain In Use Of Engine Tonics

If anything is to be gained by pouring engine "tonics" and special additives into the crankcase of your tractor, the major oil companies would put these things into their oil at the refinery, says S. L. Vogel, assistant farm engineer at North Dakota Agricultural College.

It is possible to rig up demonstration devices and tests to prove the lubricating qualities of oil, but most of these tests will not tell the whole story of conditions inside the engine crankcase.

"At the present time, well over 200 products are being sold as upper cylinder lubricants or friction eliminators which are supposed to lubricate. Many of these products are made up of mostly light mineral oil or kerosene plus some dye to give color and a small amount of aromatic compounds for odor. What you are paying a $1.00 or more a pint for, in many cases, is perfumed light mineral oil with color added," the North Dakota farm engineer explains.

"Some of these special oil additives might be of value as carbon cleaners. However, many of these compounds will counteract the additives already in the good oil. Many tonics will not do any more than could be done with kerosene or diesel oil. Keep in mind that engine oil manufactured by reliable oil companies is not going to be improved by adding engine drugs," Vogel reminds.

Your safest bet is to follow the engine manufacturer's recommendations on engine lubrication specifications.

Complete eradication of the common barberry from northern grain-producing states cannot be overemphasized in developing permanent control of stem rusts of wheat.

The common red mite is a permanent resident in poultry houses where control measures are not regularly practiced.

During farrowing, infrared lamps can provide heat for the sow and her newborn pigs. After farrowing, the lamps can be placed above a protected area to warm the pigs.

Coming Livestock Sales

ANGUS

May 14—Kentridge, Mr. and Mrs. G. A. Kent, owners, Muscatine, Iowa.
May 23—Tallboro Breeders Assn., Marshalltown, Iowa. C. G. Mason, Secy.
May 25—Hawkeye Angus Breeders sale, Cedar Rapids, Iowa. Albert Stuart, Secy., Newhall, Iowa.
May 27—Four County Association, Stuart, Iowa. W. W. Herkelman, Mgr., Dexter, Iowa.
June 1—North-Central Iowa Breeders Assn. 12th annual sale, Mason City, Iowa. H. C. Miller, Secy., Hampton, Iowa.
June 1—Wisconsin State Angus Breeders, Janesville, Wis. Mrs. Harold Austin, Secy., Lancaster, Wis.
June 3—Hoelscher Bros., Arcadia, Iowa. Sale at Carroll, Iowa.
June 6—Hopley Stock Farm (Dispersion), Atlantic, Iowa.
Sept. 14—E. W. Thompson, Sedalia, Mo.
Sept. 19—North Central Missouri Breeders, Chillicothe, Mo. Lewis Anderson, Secy.
Sept. 27—A. C. Flint, Bethany, Mo.
Oct. 21—Lazear Angus Farm, Chariton, Iowa.
Nov. 7—Cloverly and Taylormade, Maloy, Iowa.
Oct. 22—Hale Thompson, Eagleville, Mo.
Nov. 5—C. H. Nau & Son (Dispersion), Mt. Pleasant, Iowa. Sale at Columbus Jct., Iowa.
Nov. 14—Interstate Angus show and sale, Sioux City, Iowa. Dwight Tabke, Sale Mgr., Moville, Iowa.
Dec. 10—Pagemere (Jake Stimson Division) and Arlavon All 10th sale, Clarinda, Iowa.

FEEDER CATTLE

Sept. 8—Oswald Strand & Son, Manly, Iowa.
Oct. 10—Scotland County, Memphis, Mo.
Oct. 11—Davis County, Bloomfield, Iowa.

FEED BOLSON FEEDS
● FOR ECONOMY ● FOR RESULTS
FREE SAMPLES
The L. C. BOLSON Co.
DECORAH, IOWA
A NAME YOU CAN TRUST IN FEEDS!

Coming Livestock Sales

HEREFORDS

May 25—Clark Grandfield, Lorimer, Iowa.
May 26—(Night Sale)—Paul W. West, Carrollton, Mo.
May 27-28—Wa-Kee-Shaw Ranch (Dispersion), Jack Hennebury, owner, Oswego, Ill.
June 4—Windsor Place, W. C. Windsor, Owner, Rooville, Mo.
June 13—North Iowa Breeders, Mason City, Iowa. Leigh R. Curran, Mgr.
Sept. 17—Clark County Herefords, Kahoka, Mo. G. R. Breidenstein, Mgr.
Oct. 1—Tomlin & Welland, Mason City, Ill.
Oct. 1—Ralph Bramer, Murray, Iowa.
Oct. 8—John Dittmer & Sons, Lacona, Iowa. Sale at Knoxville, Iowa.
Nov. 2—Northeast Missouri Hereford Breeders Assn., Memphis, Mo. Vernon Winkler, Secy.
Nov. 5—Wayne O. Burchett, Grand River, Iowa.
Nov. 5—Orval Burchett & Sons, Grand River, Iowa. Wayne O. Burchett, Mgr.
Nov 14—Bianchi Hereford Ranch, Macom, Mo.
Nov. 26—Hereford Breeders Calf sale, Story City, Iowa. Leon Joy, Mgr., Ames, Iowa.

POLLED HEREFORDS

June 13—North Iowa Breeders, Mason City, Iowa. Leigh R. Curran, Mgr.
July 9—O'Bryan Ranch cow and calf sale, Hiattville, Kan.
Oct. 15—O'Bryan Ranch.
Nov. 9—Master Key Place, Fulton, Mo.

SHORTHORNS

Sept. 15—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Mgr., Oakland.
June 2—Minnesota state show and sale, Blue Earth, Minn. Norman T. Findahl, Secy., Waterville, Minn.
June 6—Edellyn Farm, Wilson, Ill.
Sept. 24—Hawkeye Downs 5th sale, Shorthorns and Club calves. Earl S. Girton, Sale Mgr., Vinton, Iowa.
Nov. 5—13th Semi-Annual Central States show and sale, Oskaloosa, Iowa. C. Emory Stewart, Sale Mgr., Rose Hill, Iowa.
Nov. 14—John Combs, New Market, Iowa, and Tip Lucas and Son, Lenox, Iowa. Sale at Lenox, Iowa.

POLLED SHORTHORNS

May 28—Minnesota State show and sale, Slayton, Minn. M. H. Bassett, Secy., Rushmore, Minn.
Sept. 15—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Secy.-Mgr., Oakland, Iowa.
Sept. 16—Hawkeye Downs 14th sale, Cedar Rapids, Iowa. Earl S. Girton, Sale Mgr., Box 452, Vinton, Iowa.

RED POLLS

June 4—Roy L. Mueller & Sons, Elginvue Stock Farm, Arlington, Minn.

DAIRY CATTLE

May 23—Minnesota State Holstein Breeders sale, Owatonna, Minn.
June 7—Mid-American Regional Jersey sale, Waterloo, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
June 23—Pioneer Hi-Brod Corn Co., Jersey Dispersal, Johnston, Polk county, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.

MILKING SHORTHORNS

June 7—Minnesota Milking Shorthorn Breeders, Benson, Minn. Clarence J. Vochl, Secy., Lakefield, Minn.

DUROCS

July 28-29-30—National Duroc Congress, Type show, Barrow show and sale, Cedar Rapids, Iowa.

TAMWORTHS

Aug. 5—(Night sale). Paul Paetow, Andover, Iowa, and Harold Eckermann, Rt. 3, Davenport, Iowa.

LANDRACE HOGS

July 16—Albert & Martin Clark, Kanawha, Iowa. Sale at Mason City, Iowa.

SHEEP

June 15-16—Eleventh Annual Midwest Stud Ram show and sale, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.
June 20—American Suffolk Stud Ram and Ewe sale, Oskaloosa, Iowa. Max Brownsller, Secy., Rose Hill, Iowa.

HORSES

June 16-17—Orient Pony and Horse sale, Orient, Iowa. Harold Killion, Sale Mgr., Greenfield, Iowa.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office 3-6181; Res. 7-3645.
THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 125.
ARCH STONE, 1912 Grand Ave., Des Moines. Phone: Office 3-6181; Res. 9-6995.
We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

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HAMPSHIRE BOARS
55 choice registered boars. BANGS tested. Guaranteed. 2 registered HEREFORD bulls. 6 yearling ponies, Hackney, Welsh & Shetland. RAT-TERRIERS.
GEO. LIPPOLD, JR. & SONS, AVOCA, IOWA

HYBRID HOGS

LUCIE HYBRID BOARS
The only herd backed by 16 years performance testing.
1. Save 10 to 20% on feed.
2. Produce MEAT TYPE hogs.
3. Raise more pigs per litter.
4. Go to market 2 weeks earlier.
1½ Million pigs sired by LUCIE HYBRID BOARS
Guaranteed breeders. We deliver. Phone 265F6
Farm 1½ miles northwest.
LUCIE HYBRID HOG FARMS, Augusta, Illinois

HYBRID HOGS
Meat Type Hybrid — Get the Full Story
1. Save 20 lbs. feed per 100 lbs. gain.
2. Raise 1-2 more pigs per litter.
3. Go to market 2 weeks sooner.
HERE'S PROOF: Over ½ million pigs sired by Wilson Hybrid Boars—700 customers—7 years continuous increase in sales. Vaccinated for Cholera and Erysipelas, blood tested. Guaranteed breeders. Free delivery. Write for free literature. Dealership available.
WILSON HYBRID HOG ASSN., Harlan, Iowa

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LANDRACE HOGS
Breeding Stock. Registered DANISH, NORWEGIAN, and SWEEDISH strains. Sure way to change lard hogs to MEAT Animals. Accredited Brucellosis Free.
JOHNSON & HOCKEMEIER, Webster City, Iowa

AMERICAN LANDRACE
BREEDING STOCK
Herd inspection invited.
Brood Sows, Gilts and Boars now available.
J. H. SCHROOTEN R. 1, FAIRMONT, MINN.

YORKSHIRES

YORKSHIRE BOARS
Choice Big, Rugged Fall Boars. ENGLISH LARGE WHITE. Rich in breeding and best of quality. Reasonable.
(On Highway No. 20 between Sac City and Rockwell City, Iowa, then south.)
Phone, write or visit.
F. L. JACKSON & SONS
Lytton, Iowa

SELECTED ENGLISH LARGE WHITE FALL BOARS
Big, heavy bone and muscle. Buy the best for Cross Breeding. Bred now for more dollars at Market Time. Reasonably priced. Located 3 miles south on U. S. 59. Phone W. W. Steele, 1445W or 1445J.
SIOUX RANCH CO., CHEROKEE, IOWA

YORKSHIRE BOARS
Excellent for Cross Breeding, large selection, rugged ENGLISH Type. SUPREME exhibitor award 1954 Illinois and Wisconsin State Fairs. Ask for FREE illustrated circular and prices.
VALEHURST FARMS, PEORIA, ILLINOIS

YORKSHIRES
Choice sows bred to Champion at National Barrow Show, a top sire, mated for July farrow. Gilts bred for Aug. and Sept. farrow. Also good FALL Boars. Reasonable. Farm 1½ mi. E. & ¼ mi. S.
E. C. MARTY & SON LUVERNE, IOWA

IOWA YORKSHIRES
BREEDERS ASSOCIATION
For FREE information about YORKSHIRES and list of Iowa Yorkshire Breeders, write now.
James R. Tague, Secy.-Treas., R. 3, Davenport, Iowa

YORKSHIRE BOARS
Choice FALL boars. ENGLISH Breeding. Also a few GILTS. Double treated. Erysipelas and Cholera. Range Free herd. Phone 2517. (Farm 2 miles east and ¾ mile north.)
MERRITT COOK, (Sac County), NEMAHA, IA.

POLAND CHINAS

HILL BROOK FARM
POLAND CHINA Fall Boars by HILL BROOK FASHION and SILVER MEDAL JR., with size and quality; show boar prospects. Reasonable.
OTTO F. SCHRUNK & SONS, MAPLETON, IA.

TAMWORTHS

TAMWORTH BOARS
Choice Boars—ready now. Genuine MEAT-TYPE—not an imitation. Outstanding cross on any breed. All Boars free. Sale (Nov. Aug. 5th.
HAROLD ECKERMANN, R. 3, DAVENPORT, IA. or PAUL PAETOW, ANDOVER, IOWA

MONTANA No. 1

MONTANA NO. 1
FALL BOARS — OPEN FALL GILTS
The meat type hog that the packer prefers. They make an outstanding cross on any breed.
E. G. STEINMETZ ALDEN, IOWA
Farm 3 miles East of Williams

FALL BOARS
Minn. No. 1, Mont. No. 1, Beltsville No. 2, Mont. Bred Gilts.
JOHN DALTON HAWARDEN, IOWA

SHEEP

AMERICAN SUFFOLK
RAM AND EWE SALE (Fair Grounds)
OSKALOOSA, IOWA, MONDAY, JUNE 20th
Sponsored by Iowa Suffolk breeders. Choice, richly-bred entries. Ask for FREE catalog.
MAX BROWNELLER, Secy., ROSE HILL, IOWA

DOGS

Notice—Unsatisfactory dogs must be returned within time specified by advertiser. Buyer always pays express charges (both ways if dog is returned) unless advertiser states in advertisement that he will do so.

SPORTSMEN:
World's Largest Kennel offers 500 Pointers, Setters, Straight Coners, Combination Hounds, Rabbit and Squirrel Dogs, Beagles, Fox and Wolf Hounds. Trial. Prices reasonable. Catalogue free.
Smokey Mountain Kennels, Cleveland, Tennessee

GENUINE
ENGLISH SHEPHERD PUPS
Guaranteed heelers, year's trial. Males, females, spayed females $15.00. Training instructions. Distemper vaccinated. Also Registered Collies.
DEAN FLEMING TRAER, IOWA

Genuine English Shepherd and Border Collie Pups. (Either sex, plus spayed females $15.00.) (Order direct from this ad. Give color. (Satisfaction guaranteed.) 65,000 satisfied customers. (45 years on same farm.) Stepsaver-heeldriving farm dogs. No fooling.) Training instructions, year trial, distemper vaccinated. Runfts Kennels, Reinbeck, Iowa.

— BEST YET —
ENGLISH SHEPHERD PUPS
Guaranteed to bring home the cows. Year's trial. Choice of sex. Spayed females a specialty. Priced right.
CLOVERDALE FARM ACKLEY, IOWA

Purebred Border Collies
English Shepherds
America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
We breed and sell our own stock.
FAIRMOUNT FARMS - CEDAR RAPIDS, IOWA

GENUINE ENGLISH SHEPHERD PUPS
DISTEMPER VACCINATED
Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
HIGHVIEW KENNELS, CEDAR FALLS, IOWA

Eng. Shepherd—Border Collie
Choice pups raised from natural heelers. Guaranteed satisfaction. Training instructions. Some partly trained.
BROOKVIEW KENNEL FARM, Ayrshire, Iowa
1 mile east, ¼ mile south

Cholera Won My $20 Bet

Yes, I believed in vaccination. I know you just can't afford to risk unprotected pigs against a killer like cholera.

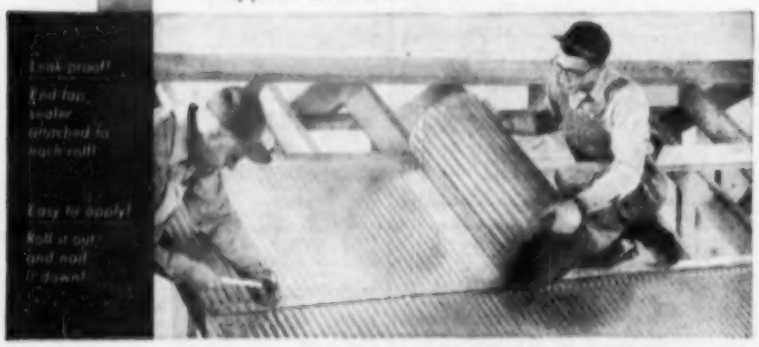
But here's where I went wrong last spring — I decided I'd save about $20, by doing my own vaccinating. What happened I don't know. Maybe the pigs weren't in proper condition. Or, perhaps I didn't handle the job right. Anyway, when cholera hit, I lost about $400 worth of shoats, against the $20 I saved.

This year, believe me, a veterinarian is going to do all my vaccinating. His know-how costs very little, compared to the losses he can save me. In fact, skilled veterinary vaccination is about the cheapest insurance you or I can buy against hog cholera.

This message in the public interest is sponsored by American Foundation for Animal Health

Farm Tested!

- Saves up to 25% in steel
- No side-laps for entire roll
- Applied in half the time



Ceco cross-corrugated roll roofing

IT'S GALVANIZED

- Full rolls 30" wide x 31' long
- Half rolls 15" wide x 31' long
- No solid sheathing required—only roof boards on 29" centers
- Crimped edges capture strength of corrugations for strong bridging from board to board

IN CONSTRUCTION PRODUCTS CECO ENGINEERING MAKES THE BIG DIFFERENCE

CECO STEEL PRODUCTS CORPORATION
(Merchant Trade Division)
South Bartonville, Peoria 1, Illinois
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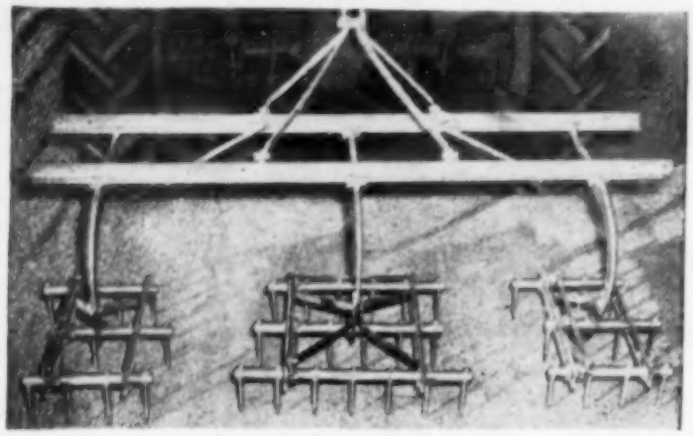
Warehouses: Omaha, Peoria, Minneapolis, Chicago

CECO STEEL PRODUCTS CORPORATION
(Merchant Trade Division)
5600 W. 26th St., Chicago 50, Ill.
Gentlemen: Please rush me descriptive literature of Ceco's new patented Cross-Corrugated Roll Roofing.
Name _____
Address _____ WF41H
City _____ State _____

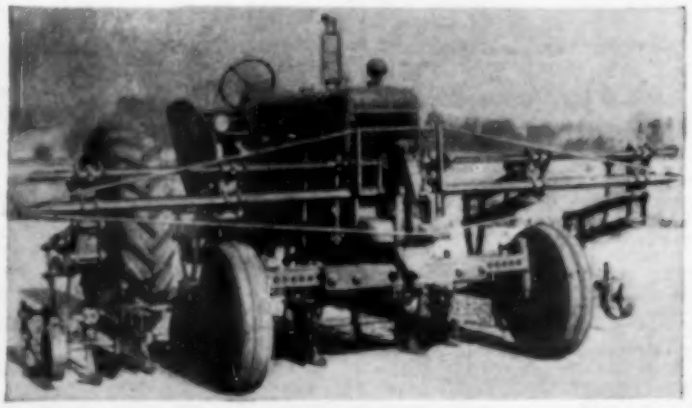
For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.



Row-Crop Harrow is designed to fit three-point hitch cultivator frame. At high speeds, harrow teeth tear out weeds, fill wheel tracks and leave ground smooth. Introduced by Baughman-Oster Co.

Automatic waterer is made in two models; one for cattle only, and one with drinking pan for both cattle and hogs or sheep. Said to have special float valve that acts quickly to keep pans filled. Attaches to any farm pressure system. Has automatic electric heater for winter use. Made by Farmer Feeder Co., Inc.

Auger-type feeder takes feed from silo or barn and distributes it at two-foot intervals over length of feed bunk. Available in eight-foot sections for making any desired length of feeders. K&M automatic bunk feeder is made by Sudenga Iron Works.



Hydraulic Cultivator is made for adjustable wide front axle models of the Sheppard Diesel SD-4 tractor. Features are rapid mounting, high clearance and variable row spacings. Four-row model is announced by Sheppard Diesels.

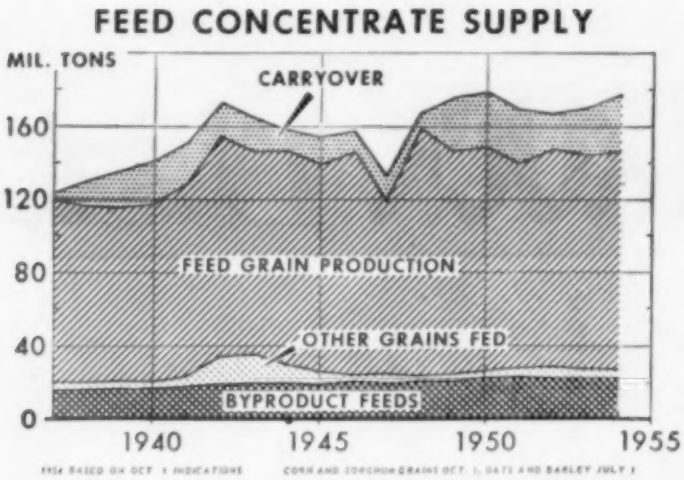


Chart shows how feed concentrate supplies have varied since 1936. Estimates are for feed years beginning in the fall. Peak was the 1950 feeding year, but this present year is not far behind. And April 1 reports indicate that feed supplies for the 1954 feeding year may have been in excess of last fall's estimates. Notice the dip in feed supplies after the short 1947 crop.

What's Ahead...

A CROP SCARE occurs in most seasons. Grain prices rise. Then rain is reported somewhere and prices sink right back to the old level.

Homer Hush

About one year in 10, the crop scare becomes the real thing. Corn crops have been reduced one billion bushels, Then prices go up sharply and stay up for the season.

Can grain owners cash in on these drouth reports? You might gain a little by selling on the speculative price rises from local drouth reports. But you've got to act fast and you may sell too soon.

A better method might be to hold corn every year until you know what the next crop is like. You'll win big that way occasionally.

SEASONAL GAIN in hog prices should be just ahead. Fall pigs have been marketed fairly steady and will soon be gone. Lower hog supplies should bring gains of $2 to $4 per 100 pounds. But after July, the fall price decline can be expected any time. Anyway it's always smart to push the early pigs for the earliest possible market in late summer.

Hog price average next year, however, will not go up unless farmers reduce number of sows now being bred for fall pigs. And it may take a cut in the 1956 spring pig crop to make prices start up.

FEEDER CATTLE prices normally go down, spring to fall. That makes buying feeder cattle to grass thru the summer a risky operation.

This year, other factors might make more than seasonal price changes thru the summer. Big numbers of cattle on feed, especially light cattle, may weaken the fat cattle market this fall. Fat cattle prices affect feeder prices usually.

And the ranges still hold a record number of cattle. Heavy movement of feeders can be expected again this fall.

THAT SOYBEAN LOAN at $2.04 may look pretty good next fall. It isn't likely that low bean prices and the 18-cent drop in bean loans next fall will cut bean acres. About the only alternative crop is corn. Many want to stay within corn allotments.

Prospect is for the largest bean acreage on record. Also for a big holdover of 1954 beans.

STEADY U. S. income taxes and higher state and local taxes are the prospect for this year. Next year is election year, and U. S. taxes are not likely to go up. They might go down slightly.

But nearly every legislature in the Corn Belt increased either property, sales, income or gasoline taxes. Many increased more than one.

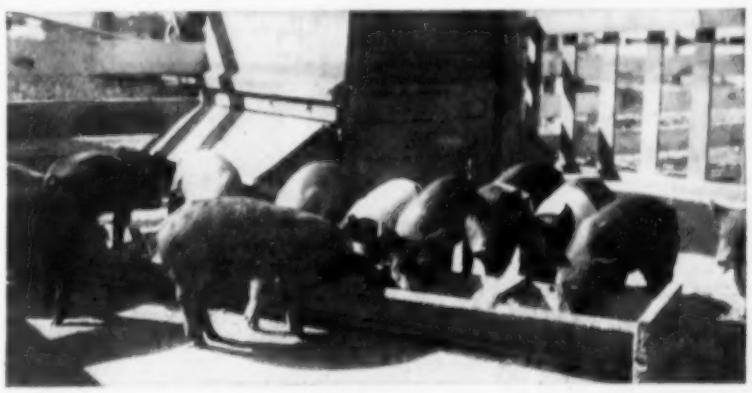
40 GOLDEN ACRES

by ROSCOE POLLITT

Manager, Semi-Solid Demonstration Farm, Des Moines, Iowa

RAINY DAYS IN MAY can be the most profitable on your farm. Dozens of hogmen spend their enforced field holidays visiting our "40 Golden Acres" at the junction of Iowa 64 and U. S. 6, northeast of Des Moines. Others give their own pigs an extra day's attention. Records of our farm and our visitors and customers show this extra attention really pays off.

* * *



EVERY EXTRA PIG YOU SAVE can pay you a dollar or more premium for nine bushels of corn. Our fall pigs returned $2.12 for every bushel of the 6000 bushels they ate. The five year average is almost $4.00. But you have to wean big litters if you want to market big crops through them at a premium.

* * *

MASTER SWINE PRODUCER Donald McCaffrey, Guthrie Center, Iowa, knows this. Last Spring he weaned 11.6 per litter for the highest average in the state. Last year Don's 12 sows on the Semi-Solid program farrowed 151 good big husky pigs in five days. "I knew I was in for work to save them and to avoid runts," he relates. "I started slopping the sows with Sow Emulsion and started the pigs on Dry Sparx at 10 days. Then I put the pigs on Condensed Sparx, shelled corn, and pig pellets. I weaned 140 from the 12 sows." Don marketed all but two of them, weighing 207 lbs. at 182 days for an average of 11.5 pigs marketed per litter. Five Semi-Solid feeders who won the coveted Master Producer Award averaged 11.4 pigs farrowed, 10.4 weaned and 10.1 marketed per litter.

* * *

PIGS NEED "PEPPING UP" Harold Lamm who farms northeast of Osage, Iowa, didn't think his 16 sows were feeding their ten pigs litters fast enough. "My pigs needed pepping up," he explains. "I started them on Dry Sparx then discontinued that and went over to Wet Sparx as a drink. After they got started on it the pigs really go wild for Sparx." Lamm's pigs, squealing for their morning drink in the picture above, are 10 weeks old and weigh 65 lbs. He saved a 9½ pig average—152 pigs from 16 sows.

* * *

We can't match all our visitors' records at the farm. But if you will visit us this Spring we can show you 667 pigs from 71 litters making hogs of themselves on the feeding line. And if you are busy in the fields and still want to give your pigs an extra push, we can help you. Our 80-page booklet, "40 Golden Acres," has pictures and feeding programs used on our farm and by thousands of successful hog raisers. Just a postcard to me—Roscoe Pollitt, Manager, "40 Golden Acres," R.F.D., Altoona, Iowa—will bring you a free copy.

© 1955—Consolidated Products Co.

"Good pickins" come natural to Burch, H. W., and J. W. Brown, Jr., who are looking over part of last year's fine soybean crop. They go for smooth-running equipment, too, and that's why every piece is cared for 100% with superior Conoco products.

How the Brown Brothers Save Plenty of "GREEN"!

There's not much you can tell the Brown brothers of Conway, Arkansas, about making a fine cotton, barley, soybean or alfalfa crop. These Razorbacks are first-class farmers, as their fellow members of the Faulkner County Farm Bureau will be the first to tell you!

But take Burch, H. W., and J. W. Brown, Jr., aside, and they'll readily admit that it takes plenty of steady-working equipment to turn over a complete crop three years' running on 1,200 acres of Arkansas River bottom land. That's why the boys make good use of 7 tractors, a combine, a cotton baler, and several trucks and cars in their operation—*all cared for 100% with superior Conoco products!*

The Brown brothers figure that dependable Conoco products save them plenty of "green" each and every year by eliminating expensive overhaul jobs . . . *at least $500 per crop!* And that's not mere guesswork, because 1954 was the third straight year that not one of their 7 tractors required a profit-cutting overhaul.

New Conoco Super Motor Oil is a particular favorite with the boys since they believe it helps "Keep engine wear down, while adding years to a tractor's service life."

Like the Brown brothers, you, too, can be saving plenty of "green" on your farm by using dependable Conoco products. For all the facts, give your Conoco Man a call today!

New Conoco Super Motor Oil . . . America's first Double-Duty oil!

To conquer both friction and acid wear in car, truck and tractor engines, New Conoco Super Motor Oil combines these two *exclusive* discoveries:

Oil-Plating® conquers friction wear by plating a tough film of lubricant to metal surfaces . . . a film that "sticks" even when the engine is stopped!

Oil-Cleansing conquers corrosive wear by rust-proofing your engine . . . by *neutralizing* engine acids . . . and by holding dust, dirt and engine "refuse" in suspension until oil-draining time.

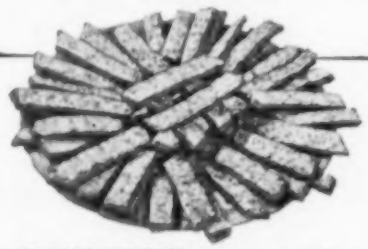
Today, order New Conoco Super—America's first *Double-Duty* oil—from your Conoco Man!

SNAPPY CHEESE STRAWS

by Mrs. D. Brewer, RFD #2, Iola, Kansas

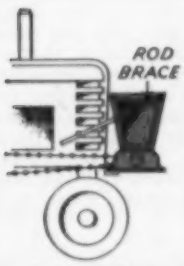
2 cups enriched flour
½ teaspoon salt
½ cup vegetable shortening
1½ cups grated sharp cheese
2 teaspoons Worcestershire sauce
Some ice water (if needed)

Sift flour and salt together, and then cut in the shortening. Add grated cheese and Worcestershire sauce to the mixture. Roll to ⅛-inch thickness. Cut into strips about ½-inch wide and 3 inches long. Prick with a fork, then bake in hot oven (400 degrees) for 8-10 minutes. Perfect with salads or as a snack.



SHEARS FOR RECIPES! Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. L, Conoco Cafeteria, Ponca City, Oklahoma. For each recipe printed with your name, we'll send you a pair of Wiss Pinking Shears, worth $8.95. Recipes become the property of Continental Oil Company.

Drilling Aid



For sowing rye, etc., while side dressing corn, R. E. Riner, RFD #2, Jamestown, Ind., sends along this idea. Mount box from old wheat drill on tractor front. Operate from side-dressing attachment. At last cultivation of corn, plant rye and side dress in one operation!

Saws for Ideas!

Mail original ideas to *The Tank Truck*, Dept. L, Continental Oil Company, Ponca City, Oklahoma. If we print your idea, you'll get a genuine D-15, Henry Disston Hand Saw, worth $10.25. All ideas become the property of Continental Oil Company.

Conoco Super Gasoline with TCP*. . . "tunes" engines to top power!

After two tankfuls, here's what you can expect from Conoco Super with TCP, the greatest gasoline development in 31 years. You'll enjoy 15% more engine power, better gas mileage, longer spark-plug life, and all the benefits of an engine tune-up! And remember: in new cars and old, over 8 million motorists have *proved* the power benefits of TCP. Today, order Conoco Super Gasoline with TCP from your Conoco Man.

PRODUCTS YOU CAN DEPEND ON!

CONOCO

- New Conoco Super Motor Oil
- Conoco HD Oil
- Conoco Super Lube
- Conoco Kerosene
- Conoco Super Gasoline with TCP*
- Conoco Tractor Fuel
- Conoco Diesel Fuel
- Conoco Gasoline
- Conoco Transmission Oil
- Conoco Pressure Lubricant
- Conoco Anti-Freezes

*Trademark owned and patent applied for by Shell Oil Company.

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